

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-015-32091
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____		7. Lease Name or Unit Agreement Name Big Cat State Com
b. Type of Completion: NEW WELL ☐ WORK OVER ☒ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____		
2. Name of Operator Murchison Oil & Gas, Inc. /		8. Well No. #1
3. Address of Operator 1100 Mira Vista Blvd., Plano, Texas 75093-4698		9. Pool name or Wildcat Wolfcamp North Anderson, Wolfcamp North
4. Well Location Unit Letter <u>G</u> : <u>1500</u> Feet From The <u>North</u> Line and <u>1980</u> Feet From The <u>East</u> Line Section <u>11</u> Township <u>17S</u> Range <u>28E</u> NMPM <u>Eddy</u> County		
10. Date Spudded 11-12-02	11. Date T.D. Reached 12-26-01	12. Date Compl. (Ready to Prod.) 1-14-02
13. Elevations (DF & RKB, RT, GR, etc.) 3612 GR		14. Elev. Casinghead 3612
15. Total Depth 10,446'	16. Plug Back T.D. 10,350'	17. If Multiple Compl. How Many Zones? <u>2</u>
18. Intervals Drilled By Rotary Tools Yes		Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name Wolfcamp 7528 to 7540 ABO 6772 to 6805'		20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run CNLDBR + ALL, Micro - CFLGR		22. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	61#	205'	17 1/2"	235 SXS	None
9 3/8"	47#	2200'	12 1/4"	1100 SXS	None
5 1/2"	17#	10446'	8 1/2"	3530 SXS	None

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number) 7528' - 7540' 48 holes Wolfcamp 6772' - 6805' 132 holes			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 7528' - 7540' Previous C-105 6772' - 6805' 3500 gals 15% Frac 35K 20/40	
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PRODUCTION

Date First Production 11-29-02 ABO	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping (Pump 2 1/2 x 2 x 20 RHBC)				Well Status (Prod. or Shut-in) Prod.	
Date of Test 12-04-02	Hours Tested 25	Choke Size	Prod'n For Test Period	Oil - Bbl. 25	Gas - MCF 33	Water - Bbl. 63
Gas - Oil Ratio	Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.
Oil Gravity - API - (Corr.)	29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold					Test Witnessed By

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Printed Tommy W. Folsom

Production Manager 12-09-02

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
Blainebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
Abo _____	T. _____	T. Wingate _____	T. _____
Wolfcamp _____	T. _____	T. Chinle _____	T. _____
Penn _____	T. _____	T. Permian _____	T. _____
Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

lo. 1, from.....to.....	No. 3, from.....to.....
lo. 2, from.....to.....	No. 4, from.....to.....

IMPORTANT WATER SANDS

include data on rate of water inflow and elevation to which water rose in hole.

to. 1, from.....to.....feet.....

to. 2, from.....to.....feet.....

to. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

Submit 3 Copies
to Appropriate
District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-015-32091

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER

2. Name of Operator

Murchison Oil & Gas, Inc.

3. Address of Operator

1100 Mira Vista Blve., Plano, Texas 75093-4698

4. Well Location

Unit Letter G : 1500 Feet From The North Line and 1980 Feet From The East Line

Section 11

Township 17S

Range 28E

NMPM Eddy

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3612 GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Downhole Commingling ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

A. RBP isolated the Wolfcamp Formation 7528 - 7540. The ABO was perforated 6772' to 6805' 132 holes. The ABO Formation was acid treated with 3500 gals 15% HCL & Frac treated w/48K 20/40 sand. The ABO was swabbed back for clean up and test. The ABO tested 25 to 30 Bbls. oil/day on swab test. The RBP was pulled and TBG, pump, and rods were ran to Commingle the Wolfcamp & ABO Formations. After clean up, the well is producing from both zones (Wolfcamp & ABO). 25 oil, 63 water, 33 mcf.

ABO - 14 Oil 33 Water 23 Mcf (ABO 56% of oil & 70% of gas)

Wolfcamp - 10 Oil 30 Water 10 Mcf (Wolfcamp 44% of oil & 30% of gas)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Tommy W. Folsom

TITLE

Production Manager

DATE

12/09/02

TYPE OR PRINT NAME

Tommy W. Folsom

TELEPHONE NO.

(This space for State Use)

Jim W. Allen

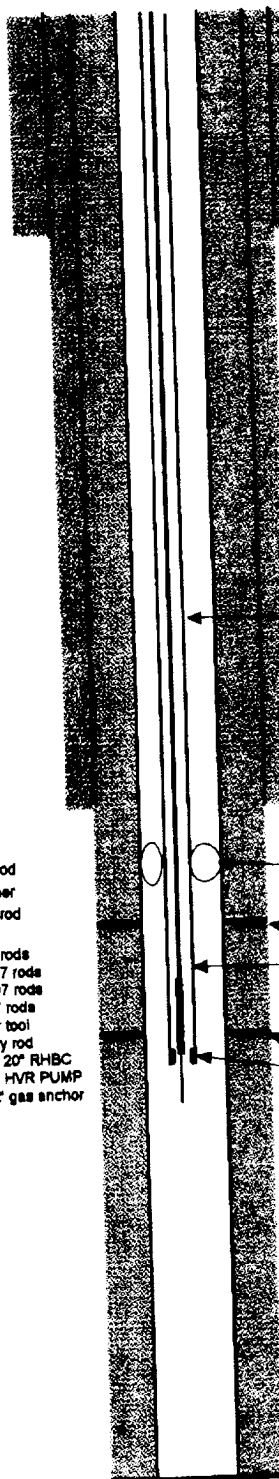
District Supervisor

DEC 30 2002

MURCHISON OIL AND GAS, INC.
 BIG CAT STATE COM #1
 SEC. 11, T-17S, R-28E
 1500' FNL AND 1980' FEL
 EDDY COUNTY, NEW MEXICO
 API # 30-015-32091

ROD DETAIL:

- 1 1/2" x 26' polish rod
- w/ 14' polish rod liner
- 1 - 1" Norris 97 rod
- 23' x 1" pony rods
- 33 - 1" Norris 97 rods
- 171 - 7/8" Norris 97 rods
- 87 - 3/4" Norris 97 rods
- 12 - 1" Norris 97 rods
- 1 - 28 K shear tool
- 1 - 2" x 1" pony rod
- 1 - 2 1/2" x 20" RHBC
- HVR PUMP
- 1 - 1 1/2" x 12' gas anchor



13 3/8" 61# J-55 @ 205'
 cmt cir to surface
 17 1/2" HOLE

211 lbs 2 7/8" 8rd N-80 tbg

9 5/8" N-80 47# ST&C @ 2,200'
 Cmt cir to surface
 12 1/4" HOLE
 5 1/2" x 2 7/8" TAC w/ 35 K shear
 @ 6862' w/ 12 points tension

ABO Perforations 6,772' to 6,805' - 132 holes

26 lbs 2 7/8" N-80 tbg below anchor

DV tool at 6996', cmt cir to surface

Perforations 7,528' to 7,540' - 48 holes
 2 7/8" 8N at 7,542'

Abo perforations 6772' to 6805'
 treated w/ 3500 gals 15% hcl and 150 ball
 sealers. Pumped at 6BPM 3300psi, ISIP 2438
 Frac w/ 22000# Ottawa sand and 16000# 20/40
 super LC at 15.4BPM 4266psi slp 3183

Wolfcamp perfs 7,528' to 7,540'
 treated w/ 1500 gals 15% hcl w/ 50
 ball sealers, and treated w/ 10,000
 gals 20% pelled acid
 Initial treatment at 4.7BPM at 4620 psi
 ISIP 4370 psi
 Second treatment at 10BPM 0 psi
 ISOP vacume

Csg 5 1/2" - 17# N-80 @ 10,446'
 6 1/2" hole, Cmt cir to surface