

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
811 South First, Artesia, NM 88210

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

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-104  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies  
☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address CONCHO RESOURCES INC. 110 W. LOUISIANA STE 410 MIDLAND, TX 79701		<sup>2</sup> OGRID Number 166111
		<sup>3</sup> Reason for Filing Code NW
<sup>4</sup> API Number 30 - 0 15 31490	<sup>5</sup> Pool Name HAPPY VALLEY MORROW	<sup>6</sup> Pool Code 78060
<sup>7</sup> Property Code 26982	<sup>8</sup> Property Name RIFLEMAN '5' STATE	<sup>9</sup> Well Number 1

II. <sup>10</sup> Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	5	22S	26E		990	SOUTH	990	WEST	EDDY

<sup>11</sup> Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<sup>12</sup> Lse Code S	<sup>13</sup> Producing Method Code FLOWING	<sup>14</sup> Gas Connection Date 05/15/01	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
007057	EL PASO FIELD SERVICES EL PASO	2829134	G	M 5 22S 26E

IV. Produced Water

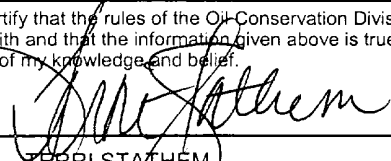
<sup>23</sup> POD 2829135	<sup>24</sup> POD ULSTR Location and Description PLEASE ASSIGN POD#
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V. Well Completion Data

<sup>25</sup> Spud Date 01/13/01	<sup>26</sup> Ready Date 02/28/01	<sup>27</sup> TD 11496	<sup>28</sup> PBDT 11452	<sup>29</sup> Perforations 11182-11266	<sup>30</sup> DHC, DC, MC
<sup>31</sup> Hole Size 20	<sup>32</sup> Casing & Tubing Size 16	<sup>33</sup> Depth Set 600	<sup>34</sup> Sacks Cement 665 SX C - CIRC TO SURF		
14-3/4	9-5/8	2282	600 SX C - CIRC TO SURF		
8-3/4	7	9930	300 SX C - TOC @ 9513		
LINER	4-1/2	11496	170 SX C - TOC @ 9760		

VI. Well Test Data

<sup>35</sup> Date New Oil 03/22/01	<sup>36</sup> Gas Delivery Date 05/15/01	<sup>37</sup> Test Date 06/05/01	<sup>38</sup> Test Length 24	<sup>39</sup> Tbg. Pressure 500	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size 14/64	<sup>42</sup> Oil 0	<sup>43</sup> Water 6	<sup>44</sup> Gas 350	<sup>45</sup> AOF	<sup>46</sup> Test Method FLOWING

<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION ORIGINAL SIGNED BY T. W. GUM DISTRICT II SUPERVISOR	
Printed name: TERRI STATHEM		Title:	
Title: PRODUCTION ANALYST		Approval Date: JUL 05 2001	
Date: 06/15/01	Phone: 915-683-7443		

<sup>48</sup> If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

State Lease - 6 copies  
Fee Lease - 5 copies  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Well API NO.  
3001531490  
5. Indicate Type of Lease  
STATE ☒ FEE ☐  
State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:  
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐  
12345678910  
b. Type of Completion:  
NEW ☒ WORK ☐ PLUG ☐ DIFF. ☐  
WELL ☒ OVER ☐ DEEPEN ☐ BACK ☐ RESVR. ☐ OTHER ☐  
2. Name of Operator  
CONCHO RESOURCES INC. ☒  
RECEIVED  
OCD - ARTESIA

7. Lease Name or Unit Agreement Name  
Rifleman '5' State  
CONFIDENTIAL  
8. Well No.  
1

3. Address of Operator  
110 W. LOUISIANA STE 410; MIDLAND TX 79701  
9. Pool name or Wildcat  
HAPPY VALLEY MORROW

4. Well Location  
Unit Letter M : 990 Feet From The SOUTH Line and 990 Feet From The WEST Line  
Section 5 Township 22S Range 26E NMPM EDDY County

10. Date Spudded 10. Date T.D. Reached 11. Date Compl. (Ready to Prod.) 12. Elevations (DF& RKB, RT, GR, etc.) 13. Elev. Casinghead  
1-13-01 2-28-01 3/22/01 3559' GR 3560'

15. Total Depth 16. Plug Back T.D. 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools Cable Tools  
11496' 11452' XXXX

19. Producing Interval(s), of this completion - Top, Bottom, Name 20. Was Directional Survey Made  
11182-11266' MORROW (94 HOLES) 4 SPF NO

21. Type Electric and Other Logs Run 21. Was Well Cored  
GR CBL CCL DSN DLL NO

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16	65	600	20	665 SX C - SURF	0
9-5/8	40	2282	14-3/4	600 SX C - SURF	0
7	26	9930	8-3/4	300 SX C TOC @9513	0

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET	
4-1/2	9543	11496	170 SX - TOC @ 9760'	2-3/8	11100	11100	

26. Perforation record (interval, size, and number)  
11182-66 4 4 SPF/ 94 HOLES  
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED  
11182-98 & 11259 ACID W/ 4500 GALS 7.5% W/ 20% METHANOL & 164K SCF N2

28. PRODUCTION  
Date First Production 3/22/01 Production Method (Flowing, gas lift, pumping - Size and type pump) SI - PENDING PIPELINE CONNECTION Well Status (Prod. or Shut-in) SHUT IN  
Date of Test 3/24/01 Hours Tested 24 Choke Size 14/64 Prod'n For Test Period Oil - Bbl 0 Gas - MCF 320 Water - Bbl. 10 Gas - Oil Ratio 0  
Flow Tubing Press. 400 Casing Pressure Calculated 24-Hour Rate Oil - Bbl. 0 Gas - MCF 320 Water - Bbl. 10 Oil Gravity - API - (Corr.) NA

29. Disposition of Gas (Sold, used for fuel, vented, etc.) pending tie in Test Witnessed By Mark Hulse, Concho Resources Inc.

30. List Attachments  
sundry, logs, letter of confidentiality

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

Signature [Signature] Printed Name TERRI STATHEM Title PRODUCTION ANALYST Date 3/29/01

# 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	
Brushy Canyon Mkr <u>3570</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Livingston Ridge <u>3570</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
M. Brushy Canyon Mkr <u>3986</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
L. Brushy Canyon Mkr <u>4650</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
Bone Spring <u>4882</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
1 <sup>st</sup> Bone Spring <u>5996</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
2 <sup>nd</sup> Bone Spring <u>6580</u>	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

## OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____	No. 3, from _____ to _____
No. 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.

No. 1, from _____ to _____	feet. _____
No. 2, from _____ to _____	feet. _____
No. 3, from _____ to _____	feet. _____

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
			MUD LOG STARTS @ 2300'				
2300	2520		DOLO, ANHY				
2520	2730		DOLO, SAND STONE				
2730	3140		SANDSTONE, SILTSTONE, SHALE				
3140	3504		DOLO, ANHY, SS, SH				
3504	3870		SH, DOLO, SLT, SS				
3870	3880		SHALE, SLT				
3880	4870		SH, SS, DOLO				
4870	4880		SH, SS, DOLO, LS				
4880	5100		SH, LS, DOLO, CHRT				
5100	8140		LS, SH, CHRT				
8140	9400		SS, LS, SLT,				
9400	TD		ANHY, LS SH				
			TD @ 9930				



# PATTERSON DRILLING COMPANY LP

A LIMITED PARTNERSHIP

410 North Loraine Street • Midland, Texas 79701

(915) 682-9401 • Fax (915) 682-1565

March 8, 2001

Concho Resources Inc.  
110 W. Louisiana, Ste. 410  
Midland, TX 79701

**CONFIDENTIAL**

Re: Deviation Report  
Rifleman 5 #1  
Sec. 5, T-22-S, R-26-E

Gentlemen:

The following is a deviation survey on the above-referenced well located in Lea County, New Mexico.

132' - 0.50	4145' - 0.50	9180' - 0.75
560' - 0.25	4611' - 0.50	9662' - 1.50
908' - 2.00	5052' - 1.00	9916' - 1.25
1035' - 1.00	5552' - 1.25	10197' - 2.25
1121' - 1.00	6036' - 1.50	10479' - 2.00
1343' - 0.75	6518' - 1.50	10764' - 1.75
1722' - 1.00	6999' - 0.75	11047' - 1.50
2222' - 0.50	7482' - 0.50	11331' - 1.50
2724' - 1.00	7963' - 1.75	11496' - 1.25
3199' - 1.25	8443' - 2.00	
3671' - 1.00	8698' - 1.00	

Sincerely,

Treva Forrester

STATE OF TEXAS     )  
                                  )  
COUNTY OF MIDLAND    )

The foregoing was acknowledged before me this 8<sup>th</sup> day of March, 2001 by Treva Forrester.

MY COMMISSION EXPIRES:

NOTARY PUBLIC

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 3001531490
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CONCHO RESOURCES INC.		6. State Oil & Gas Lease No.
3. Address of Operator 110 W. LOUISIANA STE 410; MIDLAND TX 79701		7. Lease Name or Unit Agreement Name: RIFLEMAN '5' STATE
4. Well Location Unit Letter <u>M</u> : <u>990</u> feet from the <u>SOUTH</u> line and <u>990</u> feet from the <u>WEST</u> line Section <u>5</u> Township <u>22S</u> Range <u>26E</u> NMPM <u>EDDY</u> County		7. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3559' GR		8. Pool name or Wildcat HAPPY VALLEY MORROW

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 ☐ MULTIPLE COMPLETION ☐  
OTHER: ☐

**SUBSEQUENT REPORT OF:**  
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: COMPLETION ☐

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

03/12/01 TIH w/ 6-1/2" bit, 7" scraper, 4 - 4-3/4" drill collars, 2-3/8" tbg. Tag liner top @ 9543'.  
03/13/01 Circ csg @ 9500' w/ 425 bbls fresh water. TOH. TIH w/ 3-7/8" bit, 4-1/2" scraper, 6 - 3-1/8" drill collars & 2-3/8" tbg. TIH to 11250'.  
03/14/01 Drilled cmt from 11250' to 11452'. Spotted 8 bbls 10% acetic acid.  
03/15/01 POH w/ tbg. RIH w/ GR CBL CCL to PBTD @ 11452. Lkogged up from 11452 to 8700'. TOC 7" csg @ 9513'. TOC 4-1/2" liner @ 9760'. RIH w/ 7" pkr to 95613', Press up on tbg to 4000 psi to test liner top.  
03/16/01 POH w/ tbg & LD pkr.  
03/19/01 TIH w/ 3-3/8" gun & perf Morrow sand @ 11259-66 & 11182-98' w/ 4 SPF (94 holes). PU pkr.  
03/20/01 Swabbed down tbg. IFL @ 1300', FFL @ 10800'.  
03/21/01 Acid Morrow perfs @ 11182-98 & 11259 w/ 4500 gals 7.5% w/ 20% Methanol & 164000 SCF N2.  
03/22/01 Flow well test.  
  
03/28/1 Well shut in pending gas tie in. Will perform 4 Pt/1 Pt when gas tie in complete.

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

SIGNATURE [Signature] TITLE Production Analyst DATE 3/30/01

Type or print name Terri Stathem Telephone No. 915-683-7443

(This space for State use)  
APPROVED BY ORIGINAL SIGNED BY TIM W. GUM DISTRICT IV SUPERVISOR TITLE DATE

Conditions of approval, if any: