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N.M. Oil Cons. Division
811 S. 1st St
Artesia, NM 87003-2824

Form 160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator ☒
Concho Resources Inc.

3. Address and Telephone No.
110 W. Louisiana, Ste 410; Midland, Tx 79701 (915) 683-7443

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FNL & 1980' FWL, Sec. 30, T-18S, R-31E

5. Lease Designation and Serial No.
LC 029387B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
West Shugart '30' Federal #1

9. API Well No.
30015-29166

10. Field and Pool, or Exploratory Area
North Shugart Morrow

11. County or Parish, State
Eddy, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

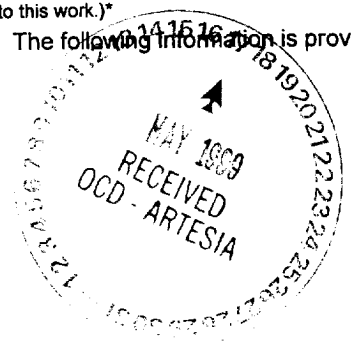
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Concho Resources Inc. respectfully requests approval for water disposal on the above federal lease. The following information is provided so that our method of disposal will be considered for approval:

Name of Formation Producing Water on the Lease: Shugart Wolfcamp West
Amount of Water Produced from each Formation Daily: Shugart Wolfcamp West - .25 BPD
Is Water Disposed Into a Pit? No
How is Water Stored on Lease? 2 - 500 bbl fiberglass tanks
How is Water Moved to Disposal Facility? Truck
Operator of Disposal System: Controlled Recovery Inc. (CRI)
Facility Name: Halfway Facility
Legal Location: S/2 N/2 and N/2 S/2 Sec. 27, T-20S, R-32E, Lea County, New Mexico
NMOCD Permit Number: R9166.



WATER ANALYSIS ATTACHED

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Production Analyst Date 04/16/99

(This space for Federal or State office use)

Approved by (ORIG. SGD) LES BABYAK Title PETROLEUM ENGINEER Date MAY 13 1999

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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**MILLER CHEMICALS, INC.**

Post Office Box 298
Artesia, N.M. 88211-0298
(505) 746-1919 Office
(505) 746-1918 Fax

WATER ANALYSIS REPORT

Company	: CONCHO RESOURCES	Date	: 4-19-99
Address	:	Date Sampled	: 4-17-99
Lease	: WEST SHUGART 30 FED.	Analysis No.	: 2021
Well	: #1		
Sample Pt.	: HEATER		

ANALYSIS		mg/L	* meq/L
1. pH	6.1		
2. H2S	0		
3. Specific Gravity	1.050		
4. Total Dissolved Solids		60468.6	
5. Suspended Solids		NR	
6. Dissolved Oxygen		NR	
7. Dissolved CO2		NR	
8. Oil In Water		NR	
9. Phenolphthalein Alkalinity (CaCO3)			
10. Methyl Orange Alkalinity (CaCO3)			
11. Bicarbonate	HCO3	85.0	HCO3 1.4
12. Chloride	Cl	37488.0	Cl 1057.5
13. Sulfate	SO4	625.0	SO4 13.0
14. Calcium	Ca	6000.0	Ca 299.4
15. Magnesium	Mg	1704.2	Mg 140.2
16. Sodium (calculated)	Na	14536.4	Na 632.3
17. Iron	Fe	30.0	
18. Barium	Ba	0.0	
19. Strontium	Sr	0.0	
20. Total Hardness (CaCO3)		22000.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
299 *Ca <----- *HCO3 1	Ca (HCO3)2	81.0	1.4 113
----- /-----> -----	CaSO4	68.1	13.0 886
140 *Mg -----> *SO4 13	CaCl2	55.5	285.0 15814
----- <-----/ -----	Mg (HCO3)2	73.2	
632 *Na -----> *Cl 1057	MgSO4	60.2	
-----	MgCl2	47.6	140.2 6674
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0	
CaSO4 + 2H2O 2090 mg/L	NaCl	58.4	632.3 36951
BaSO4 2.4 mg/L			

REMARKS:

SCALE TENDENCY REPORT

Company	: CONCHO RESOURCES	Date	: 4-19-99
Address	:	Date Sampled	: 4-17-99
Lease	: WEST SHUGART FEDERAL	Analysis No.	: 2021
Well	: #1	Analyst	: STEVE TIGERT
Sample Pt.	: HEATER		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I.	=	-0.5	at	70 deg.	F or	21 deg.	C
S.I.	=	-0.4	at	90 deg.	F or	32 deg.	C
S.I.	=	-0.4	at	110 deg.	F or	43 deg.	C
S.I.	=	-0.3	at	130 deg.	F or	54 deg.	C
S.I.	=	-0.2	at	150 deg.	F or	66 deg.	C

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S	=	1865	at	70 deg.	F or	21 deg	C
S	=	1980	at	90 deg.	F or	32 deg	C
S	=	2054	at	110 deg.	F or	43 deg	C
S	=	2073	at	130 deg.	F or	54 deg	C
S	=	2064	at	150 deg.	F or	66 deg	C

Respectfully submitted,
STEVE TIGERT