

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Bureau of Land Management
Bureau of Land Management
Bureau of Land Management

1. BUREAU OF LAND MANAGEMENT AND SERIAL NO.

SF 078091

2. FIELD OFFICE, ADDRESS OR TRIP NAME

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—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

7. UNIT AGREEMENT NAME

West Bisti

2. NAME OF OPERATOR

Chevron U.S.A. Inc., Room 13097

8. FIRM OR LEASE NAME

WBU

3. ADDRESS OF OPERATOR

P. O. Box 599, Denver CO 80201

9. WELL NO.

#127

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

10. FIELD AND POOL, OR WILDCAT

Bisti Lower Gallup

11. SEC., T., R., M., OR BLK. AND
SHEET OR AREA

Sec. 28-T26N-R13W

14. PERMIT NO.

15. ELEVATIONS (Show whether LF, RT, GR, etc.)

GL: 6,262'

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WELLS SHUT-OFF

REPAIR OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACURE TREATMENT

MULTIPLE COMPLETION

FRACURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANE

(Other)

(Other) Request for Variance

X

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

17. 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.)

A recent wellhead water sample taken on the subject well indicates an abnormally high TDS content as compared to an adjacent producer (WBU #129) and a bulk sample of the injected water. (Water analyses and wellbore schematic are attached for information.) Due to the unusually high TDS concentration and a previously repaired casing leak at 3,935', a casing leak is suspected. Chevron requests a six month variance to continue producing the well in its present condition while fully evaluating future plans for the well.

RECEIVED

MAY 11 1989

A. CON. DIV.
DIST. 3

THIS APPROVAL EXPIRES NOV 01 1989

6-BLM
1-EEM
1-MKD
1-MMC
1-File

APPROVED

MAY 04 1989

FOR AREA MANAGER
FARMINGTON RESOURCE AREA

Unichem International

707 North Leach

P.O.Box 1499

Hobbs, New Mexico 88240

Company : CHEVRON COMPANY USA

Date : 04-19-1989

Location: West Bisti - Well #127 (on 4-19-89)

Specific Gravity:	<u>Sample 1</u>
Total Dissolved Solids:	1.021
pH:	28752
Hardness:	6.95
Alkalinity:	0.501

<u>CATIONS:</u>		<u>mg/liter</u>	<u>mg/liter</u>
Calcium	(Ca ⁺⁺)	9.00	180
Magnesium	(Mg ⁺⁺)	9.20	112
Sodium	(Na ⁺)	472	10900

<u>ANIONS:</u>		<u>mg/liter</u>	<u>mg/liter</u>
Bicarbonate	(HCO ₃ ⁻)	7.60	464
Carbonate	(CO ₃ ⁻²)	0	0
Hydroxide	(OH ⁻)	0	0
Sulfate	(SO ₄ ⁻²)	0.729	35.0
Chloride	(Cl ⁻)	482	17100

SCALING INDEX (positive value indicates scale)

<u>Temperature</u>		<u>Calcium</u>	<u>Calcium</u>
		<u>Carbonate</u>	<u>Sulfate</u>
86°F	30°C	-0.66	-59
120°F	49°C	0.23	-59

Unichem International
707 North Leech P.O.Box 1499
Hobbs, New Mexico 88240

Company : CHEVRON COMPANY USA
Date : 04-19-1989
Location: West Bisti - Well #129 (on 4-19-89)

	<u>Sample 1</u>
Specific Gravity:	1.008
Total Dissolved Solids:	11772
pH:	7.55
ONIC STRENGTH:	0.202

		<u>mg/liter</u>	<u>mg/liter</u>
<u>CATIONS:</u>			
Calcium	(Ca ⁺⁺)	2.20	44.0
Magnesium	(Mg ⁺⁺)	1.40	17.0
Sodium	(Na ⁺)	191	4400
<u>ANIONS:</u>			
Bicarbonate	(HCO ₃ ⁻)	11.4	695
Carbonate	(CO ₃ ⁻²)	0	0
Hydroxide	(OH ⁻)	0	0
Sulfate	(SO ₄ ⁻²)	8.68	417
Chloride	(Cl ⁻)	175	6200

<u>SCALING INDEX (positive value indicates scale)</u>			
<u>Temperature</u>		<u>Calcium</u>	<u>Calcium</u>
		<u>Carbonate</u>	<u>Sulfate</u>
86°F	30°C	-0.10	-37
120°F	49°C	0.80	-37

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : CHEVRON COMPANY USA
 Date : 04-19-1989
 Location: West Bisti - H2O Tank (on 4-19-89)

Specific Gravity:
 Total Dissolved Solids:
 pH:
 OIL STRENGTH:

Sample 1
 1.013
 17563
 7.60
 0.304

		<u>mg/liter</u>	<u>mg/liter</u>
<u>CATIONS:</u>			
Calcium	(Ca ²⁺)	5.00	100
Magnesium	(Mg ²⁺)	6.00	72.9
Sodium	(Na ⁺)	283	6510
<u>ANIONS:</u>			
Bicarbonate	(HCO ₃ ⁻¹)	14.4	878
Carbonate	(CO ₃ ⁻²)	0	0
Hydroxide	(OH ⁻¹)	0	0
Sulfate	(SO ₄ ⁻²)	6.25	300
Chloride	(Cl ⁻¹)	274	9700

SCALING INDEX (positive value indicates scale)

Temperature
 86°F 30°C
 120°F 49°C

Calcium Calcium
Carbonate Sulfate
 0.22 -45
 1.1 -45

WELL HISTORICAL DATA

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WELL NO: WEST BISTI UNIT #127
DOUTHIT "B" #5

LOCATION: SW NE 26-26N-13W. SAN JUAN CO., NM
1980' FAL & 1980' FEL

GL ELEV: 6263'

KB: 6272'

PBTD: 5138'

TOTAL DEPTH: 5203'

COMPLETED: OCTOBER 1956

FORMATION: GALLUP

PROD PERFS 1: 5028'-5048'

9-5/8"
2214'

CASING DETAILS

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	OD	WT	SET
SURF CSB:	9-5/8"	25.4#	214'

CMT VOLUME: 175 SX

	OD	WT	SET
PROD CSB:	5-1/2"	14# 15.5#, J-55	5201'

CMT VOLUME: 100 SX

TUBING DETAILS

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	OD	WT	EDT
TUBING:	2-7/8"	6.4#	5022'

TDC
24400'

ANCHOR CATCHER
24917'

IP RATE: 223 SD

SEATING NIPPLE
25022'

5028'-5048'

PBTD 5145'

T2 5203'

10-56: -Perf'd 5028'-5048' w/4 80 gram JPF

3-66: -Reperf'd 5028'-5048' w/4 crack JPF (80 shots).

11-62: -Repair casing leak @3935' w/100 sx Class "C" cement
w/2% CaCl2 (118 ft3). Squeeze to 1700#.