

N. M. OIL CONS. COMMISSION  
P. O. BOX 1980  
HOBBS, NEW MEXICO 88240  
RECEIVED  
JUN 15 1994  
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 8 50 AM '94

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NM 0174830
2. Name of Operator PHILLIPS PETROLEUM COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 4001 Penbrook St., Odessa, Texas 79762	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FNL & 1980' FEL of Sec. 18, T-8-S, R-33-E TANK BATTERY: UNIT F, Sec. 18, T-8-S, R-33-E	8. Well Name and No. Davis N #4
	9. API Well No. 30-005-20846
	10. Field and Pool, or Exploratory Area Chaveroo-San Andres
	11. County or Parish, State Chaves Co. NM

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

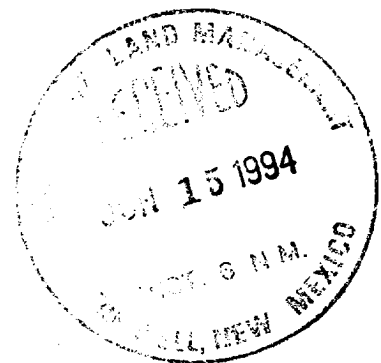
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Onshore Order #7
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input 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.)\*

Producing Formation - San Andres

Well producing approx. 50 BWPD which is stored in a 500 bbl. steel tank and then piped to Dakota Resources disposal well, Tobac SWD #G-16, Permit #SWD 060, which is located SW/4, NE/4 Sec. 16, T-8-S, R-33-E.



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

Signed [Signature] Title Supervisor, Regulatory Affairs Date 6/10/94

(This space for Federal or State office use)

Approved by [Signature] Title [Signature] Date [Signature]

Conditions of approval, if any:

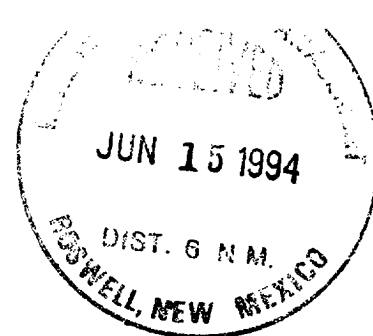
APPROVED  
PETER W. CHESTER  
JUN 16 1994  
BUREAU OF LAND MANAGEMENT  
ROSWELL RESOURCE AREA

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



RECEIVED



GP.O.BOX 2187  
HOBBS, N.M. 88240

PHONE: (505) 393-7726

## WATER ANALYSIS REPORT

Report for: Dan Williamson

cc: Pat Culpepper

cc: Scott Malone

cc:

Company: Phillips

Address:

Service Engineer: Kenny Kearney

Date sampled: 05/17/94

Date reported: 05/23/94

Lease or well #: Davis "N" Fed.

County: State:

Formation: Heater @ Batt.

Depth:

Submitted by: Kenny Kearney

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	128000	3611
Iron (Fe) (total)	1.0	
Total hardness	39500	
Calcium (Ca)	10827	540
Magnesium (Mg)	3037	244
Bicarbonates (HCO3)	573	9
Carbonates (CO3)	0	
Sulfates (SO4)	1344	28
Hydrogen sulfide (H2S)	106	
Carbon dioxide (CO2)	579	
Sodium (Na)	65871	2864
Total dissolved solids	209654	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	

Specific Gravity 1.149

Density (#/gal.) 9.575

pH 5.500

IONIC STRENGTH 4.05

Stiff-Davis (CaCO3) Stability Index :

SI = pH - pCa - pAlk - K

SI @ 86 F = +0.34

104 F = +0.57

122 F = +0.83

140 F = +1.12

158 F = +1.44

This water is 292 mg/l ( 18.09%) over ITS CALCULATED  
CaSO4 saturation value at 82 F.

SATURATION= 1614 mg/L

PRESENT= 1906 mg/L

REPORTED BY ROBERT C MIDDLETON  
TECHNICAL SERVICES REPRESENTATIVE