Drawer DD

Artesia, NM 88210

Form 3160-5

UNITED STATES

FORM APPROVED

(0 27.5)		EPARTMENT OF THE INTERIOR JREAU OF LAND MANAGEMENT			Budget Buresu No. 1004-0135 Expires: March 31, 1993					
					5. Lease Designation					
		SUNDRY NOTICES AND REPORTS ON WELLS not use this form for proposals to drill or to deepen or reentry to a different reservoir					LC-029393-A 6. If Indian, Allotte or Tribe Name			
D		oposais to drill or to deepen o ICATION FOR PERMIT—" (reservoir	6. II Indian, Alloce of	Tribe Name				
		SUBMIT IN TRIPLIC	CATE		7. If Unit or CA, Agre	ement Designal	tion			
1. Type o	K Well Oll Well Gas Well	Other								
2. Nerne	of Operator	8. Well Name and No.								
H	Iarvey E. Yates Com	ARCO	8 FED. # 5							
	,				9. API Well No.					
	es and Telephone No. P.O. Box 1993 , Ros	well, NM 88202 1-505-0	523-6601		10. Field and Pool, or					
A Tacat	ion of Well (Footage, Sec., T., R., M		SHUGART BONE SPRING, N. 11. County or Parish, State							
	, 1980' FSL & 660' FWL									
	EC. 8, T-18S, R-31E	EDDY CO., NM								
	CHECK APPROPRIAT	E BOX(s) TO INDICATE	NATURE OF NOTIC	CE, REPORT, OI FACTION	R OTHER DAT	A				
		Ab andopment	111201	Chang in Plans						
L	Notice of Intent	Recompletion		New Construct						
[3	Subsequent Report	Plugging Back	——————————————————————————————————————			Fracturing				
ت.		Casing Repair	Water Shest-Of	r						
•[Finel Abandoment	Aitering Casing		Conversion to	*					
	ļ	Other		X Dispose Water		4.4				
				•	of multiple completies on W election Report and Log Fors					
10 0	De 19	hearly state all porthessi details, and give portion	nt dates, including estimated date of s							
D. V ala		d and true vertical depths for all markers and re-								
4		BONE SPRING								
1.	FORMATION: BWPD:	BONE SPRING		•• /						
2. 3.	WTR ANALYSIS:	SEE ATTACHED								
4.	LEASE STORAGE:	IN FIBERGLASS TANK	AT MAIN BATTERY I	JOC. ON ARCO 8	FED. 1 PAD UN	IT LETTE	RK.			
5.	WATER TRANSPORTED:	BY TRUCK TO DISPOSA				.00.1.00	3 4 D 4 3 T			
6.	W OFFICE INTERPRETATION				S WATER DISP	USAL CU	MPAN			
		TENNESSEE FEDERAL UNIT I, SEC. 21, T-19S, R		SEC. 16, T-17 EDDY COUN	•					
		EDDY COUNTY, NM	.∼1E	2001 000.	+- <	=======================================				
		222.000			3-5		4.5			
							122			
							11)			
						 L	4 ≦. 171			
		\circ								
14. I he	reby certify that the foregoing is tr	the and correct				ر ا				
	igned Kan J.	RAY F. NOKES THE	PROD. MGR./	ENG. Det	12/16/94		·			
	This space for Federal or State offi	ce use)								
٠.	perconal by (ORIG. SGD.) JOE G. LARA THE	PETROLEUM I	ENGINEER DAL	1/13/90	<u> </u>				
	Conditions of approval, if any:			<u></u>						

This 18 U.S.C. Section 1861, makes it a crime for any person knowingly and willfully to make to any department or agreey of the United States any false, firtitious or fraudulent statements



Water Analysis Report

Analysis Number: 000003166

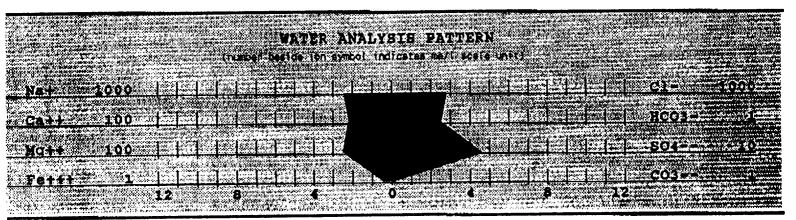
Lease.........: Arco Fed. Batt Well#..........: # 1,2,2
Sample Source...: Wellhead Analysis by......: Stroud

	DISSOLVED GASES							
CATIONS:	mg/l	me/l	Hydroge	n Sulfide	, H2S:		0.0	
Ca++	4400.00	220.00	Carbon	Dioxide,	co2:	1	10.9	
Hg++	2854.80	234.00	Oxygen	02			0.0	
Fe+++	10.00	0.54						
Ba++	0.00	0.00	PHYSICAL PROPERTIES					
Na+	55448.17	2410.79	рн		5.7			
Mn++	0.00	0.00	Specifi	1	1.110			
ANIONS:	TDS (calculated) ppm: 165071.6							
Cl-	100000.00	2816.90	TIS (ca		3.1			
so4	2200.00	45.83						
HC03-	158.60	2.60	SCALE STABILITIES					
CO3	0.00	0.00	Temp. °C	• F	CaCO3	Ca\$04	BaSO4	
OH-	0.00	0.00	20	68	-0.83	4248	0	
s-	0.00	0.00	30	86	-0.61	4522	0	
=		: 454.00	40	104	-0.36	5211	0	
TOTAL SOLIDS (quantitative): 165071.60			Max entity, (calculated):			3280	0	
				• •	•			

0.00

s = not determined

RESIDUAL HYDROCARBONS(ppm)....:



NOTES:

BUREAU OF LAND MANAGEMENT CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

- 1. This agency be notified of any change in your method or location of disposal.
- 2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
- This agency shall be notified of any spill or discharge as required by NTL-3A.
- 4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
- 5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
- 6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
- 7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.