Form 3160-5 (September 2001)

N.M. Oil Cons. DIV-Dist. 2

DEPARTMENT OF THE INTERIOR W. Grand Avenue BUREAU OF LAND MANAGEMENTS, NM 88210 SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or re enter an abandoned well. Use Form 3160-3 (APD) for such proposals

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

FORM APPROVED OMB No. 1004-0135

Expires January 31, 2004

5.	Lea	ase	Ser	ial N	lo.
٨	IM	NI	ИC	45	60

6. If Indian, Allottee or Tribe Name

abandonia wom		, одон р. оро				55	
SUBMIT IN TRIPLIC	ATE - Other instru	ctions on	reverse side		7. If Unit or CA/Agre	eement, Name and/or No.	
1. Type of Well Oil Well Gas	s Well Other			EIVED - 8 7004	8. Well Name and N		
2. Name of Operator				AHTESIA	*************************************	ver Deep Unit #9	
Yates Drilling Company		2h Phono No	. (include area code		9. API Well No.	015-32864	
3a. Address 105 S. 4th Str., Artesia, NM 8	8210)5-748-8463	=)		or Exploratory Area	
4. Location of Well (Footage, Sec.,T.,R.,M., O.		303 / 10 0 103		McMillan Morrow			
					11. County or Paris	h, State	
660' FSL 6	& 1650' FWL, Section	n 28-19S-	27E		Eddy, NM		
12. CHE	CK APPROPRIATE BOX(ES)	TO INDICATE	NATURE OF NOTICE	E, REPORT, OR O	THER DATA		
TYPE OF SUBMISSION			TYPE (OF ACTION			
	Acidize	De	epen	Production (Start/Resume)	Water Shut-Off	
Notice of Intent	Alter Casing	Fra	cture Treat	Reclamation		Well Integrity	
	Casing Repair	Ne	w Construction	Recomplete		X Other NTL2-B	
Subsequent Report	Change Plans	Plu	g and Abandon	Temporarily	Abandon		
Final Abandonment Notice	Convert to Injection	Plu	g Back	Water Dispo	sal		
13. Describe Proposed of Completed Operation (clear	y state all pertinent details, includ	ling estimated sta	arting date of any propo	osed work and appro	ximate duration thereof.		
210 barrel figergla Aid State #1 SWD	n.) s approximately 1.5 to a sport the second of the secon	by OK Ho 7S-R28E,	t Oil Service,	to the Mack	Energy Compa	NOVED	
APP GEN SPE	ROVAL SUBJECT EBAL REQUIREM MAL STIPULATIO	TO ENTS AT NS ATTA	ND ACHEN		DEC -		
14. I hereby certify that the foregoing is true and Name (Printed/Typed)	d correct						
Karen J. Leishman		Tit	e Engine	ering Techni	ician		
Signature Karen Q	Lesham	Da	te 12/2/20	004			
	THIS SPACE FO	OR FEDERA	L OR STATE OF	FICE USE			
Approved by			Title		Date		
Conditions of approval, if any, are attached. A certify that the applicant holds legal or equitat which would entitle the applicant to conduct open	ole title to those rights in the erations thereon.	subject lease	Office		1		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C	C. Section 1212, make it a crin	ne for any pers	on knowingly and w	illbully to make to	any department or a	gency of the United	





MILLER CHEMICALS, INC.

Post Office Box 298 Artesia, N.M. 88211-0298 (505) 746-1919 Artesia Office (505) 392-2893 Hobbs Office (505) 746-1918 Fax

WATER ANALYSIS REPORT ______

Company : YATES DRILLING CO
Address : ARTESIA, NM
Lease : PECOS RIVER DEEP
Well : #9 Date : 11/9/04 Date Sampled : 11/9/04 Analysis No. : 00780

Sample Pt. : WATER TANK

	ANALYSIS			mg/L		* meq/L
1.	рН	6.7				
2.	H2S	0				
3.	Specific Gravity	1.010				
4.	Total Dissolved Solid	s		4755.4		
5.	Suspended Solids			NR		
6.	Dissolved Oxygen			NR		
7.	Dissolved CO2			NR		
8.	Oil In Water			NR		
9.	Phenolphthalein Alkal	inity (CaCO3)			
10.	Methyl Orange Alkalin	ity (Cac	203)			
11.	Bicarbonate		HCO3	256.0	нсо3	4.2
12.	Chloride		Cl	2769.0	Cl	78.1
13.	Sulfate		SO4	50.0	SO4	1.0
14.	Calcium		Ca	840.0	Ca	41.9
15.	Magnesium		Mg	170.6	Mg	14.0
16.	Sodium (calculated)		Na	629.9	Na	27.4
17.	Iron		Fe	40.0		
18.	Barium		Ba	NR		
19.	Strontium		Sr	NR		
20.	Total Hardness (CaCO3	3)		2800.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound Equiv wt $X \text{ meq/L} = \text{mg/I}$
++	
42 *Ca < *HCO3 4	Ca(HCO3)2 81.0 4.2 340
/	CaSO4 68.1 1.0 71
14 *Mg> *SO4 1	CaCl2 55.5 36.7 2035
<	Mg(HCO3)2 73.2
27 *Na> *Cl 78	MgSO4 60.2
++	MgCl2 47.6 14.0 668
Saturation Values Dist. Water 20 C	NaHCO3 84.0
CaCO3 13 mg/L	Na2SO4 71.0
CaSO4 * 2H2O 2090 mg/L	NaCl 58.4 27.4 1601
BaSO4 2.4 mg/L	

REMARKS:



SCALE TENDENCY REPORT ------

: YATES DRILLING CO Company Address

: ARTESIA, NM

: PECOS RIVER DEEP Lease

Well : #9

Sample Pt.

: WATER TANK

Date : 11/9/04

Date Sampled: 11/9/04 Analysis No.: 00780

Analyst : A. MILLER

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

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

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

1208 at 70 deg. F or 21 deg C S =1242 at 90 deg. F or 32 deg C 1252 at 110 deg. F or 43 deg C 1240 at 130 deg. F or 54 deg C S = S = 1218 at 150 deg. F or 66 deg C