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Form 3160-5
(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

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NOV 19 1992

Q.C.D.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other SWD-WORKOVER

2. Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit A, 330' FNL & 330' FEL, Sec. 31-T6S-R26E

5. Lease Designation and Serial No.

NM 2357

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal HJ #1

9. API Well No.

30-005-60412

10. Field and Pool, or Exploratory Area

Linda San Andres

11. County or Parish, State

Chaves, NM

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☒ Casing Repair
☐ Altering Casing
☒ Other Repair, Treat

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)*

11-6-92. TIH w/packer and 1 jt 2-3/8" tubing and test casing from 28-905'. Tested to 600 psi for 15 minutes. TOH w/tubing and packer. Dig around wellhead. Cut 7" casing and 4 1/2" casing off 4' below surface and splice in piece of 4 1/2" casing back to surface. Installed new wellhead and BOP. TIH w/packer. Acidized perfs 1404-1554'. With 7 bbls acid in formation, perfs communicated. Straddled perfs 1230-1279', with 20 bbls 20% acid in formation, perfs communicated. Pulled up and acidized perfs 963-1554' w/1400 gals 20% NEFE acid. TOH w/2-3/8" tubing and packer. TIH w/nickel/plastic coated packer and plastic coated 2-3/8" tubing. Set packer at 923'. Removed BOP and NU wellhead. NOTE: Annulus loaded with packer fluid. Test annulus to 500 psi for 15 minutes. NMOCD, notified, but did not witness. Ran pressure chart. Rigged down pulling unit. Turned well to production for disposal. Note: Chart attached. Work completed 11-7-92.

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

Signed Peter W. Chister

Title Production Supervisor

Date 11-9-92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

ACCEPTED FOR RECORD
PETER W. CHISTER
Date

NOV 18 1992

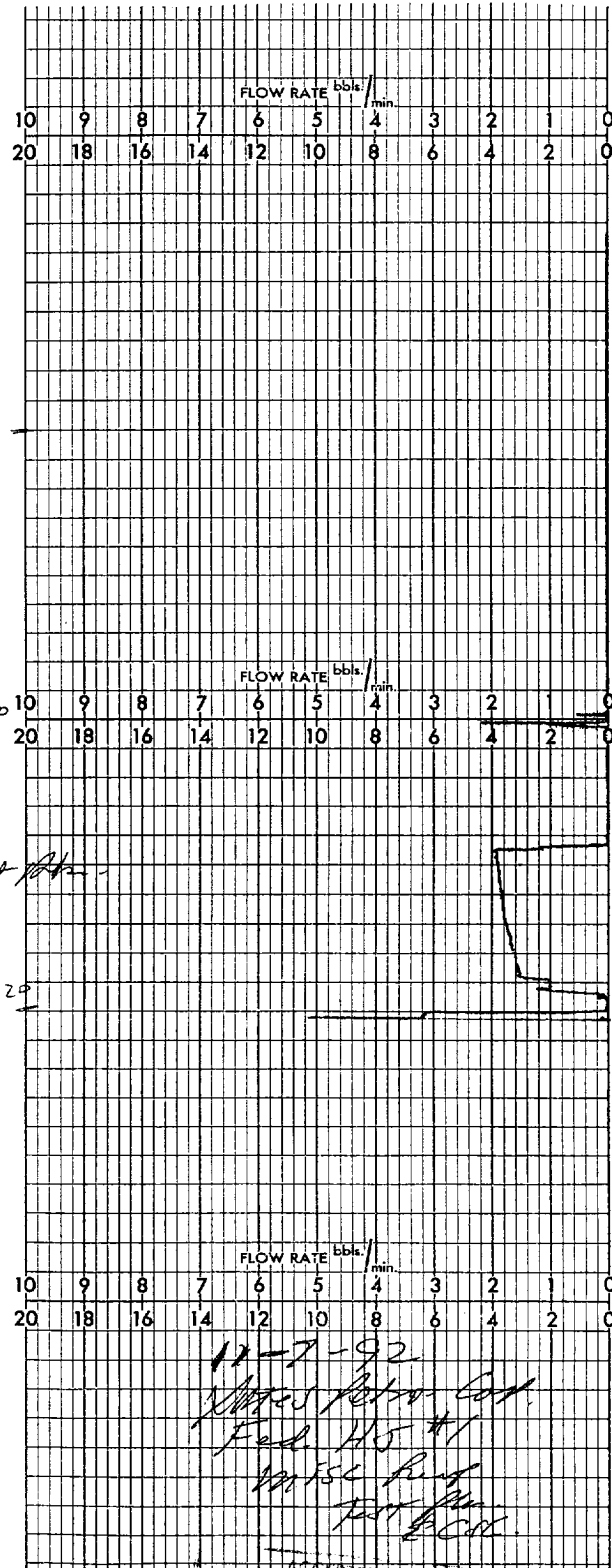
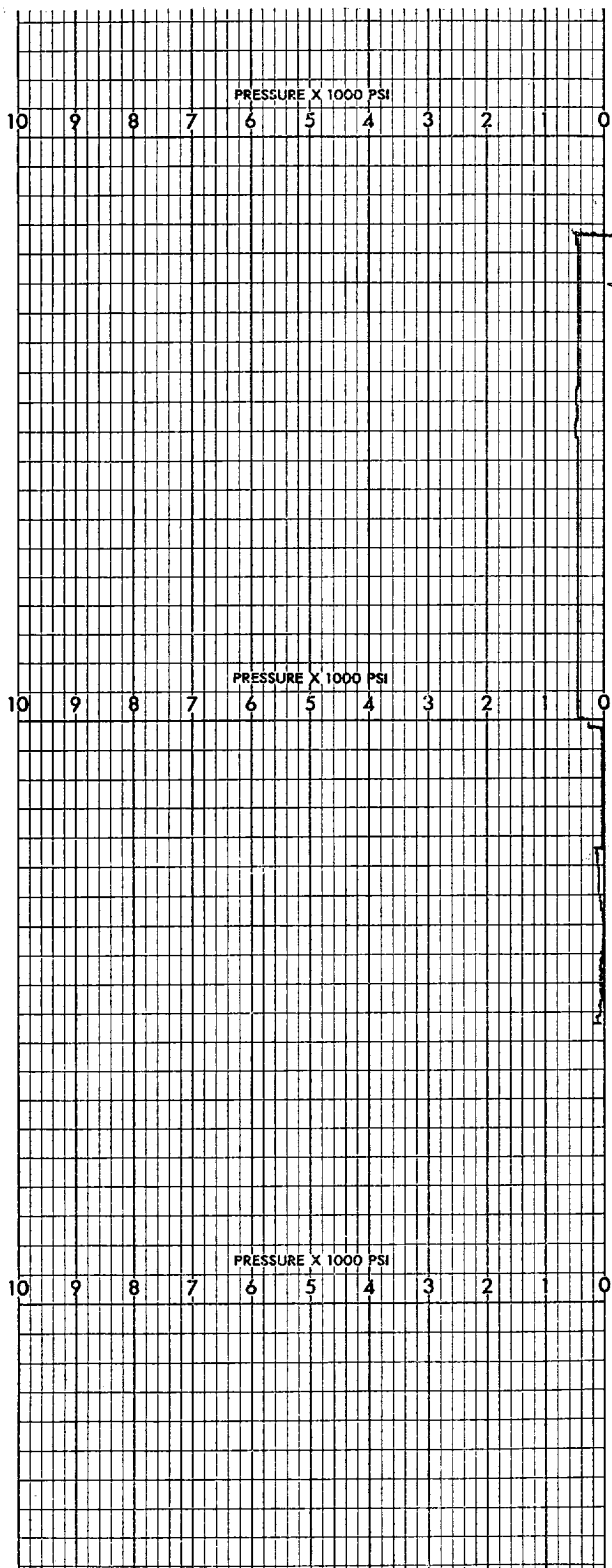
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

10/1/92
10/1/92
10/1/92





11-7-92
 James Peterson, Gen.
 Fed. HS #1
 MAFSC Ref
 Fort Worth
 ACCEPTED FOR RECORD
 PETER W. CHESTER
 NOV 18 1992
 BUREAU OF LAND MANAGEMENT
 ROSWELL RESOURCE AREA



TRETOLITE®

Chemicals and Services

PETROLITE

16010 Barker's Point Lane • Houston, Texas 77079
713 558-5200 • Telex: 4620346 • FAX: 713 589-4737

Reply to: P.O. Box FF
Artesia, New Mexico 88210
(505) 746-3588 Phone
(505) 746-3580 Fax

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O.C.D.

WATER ANALYSIS REPORT

Company : YATES PETROLEUM
Address : ARTESIA, NEW MEXICO
Lease : LINDA
Well : SWD Fed HJ#1 A-31-6-26
Sample Pt. : TANK

Date : 10/28/92
Date Sampled : 10/25/92
Analysis No. : 209

ANALYSIS		mg/L	* meq/L
-----		----	-----
1. pH	6.9		
2. H ₂ S	10 PPM		
3. Specific Gravity	1.140		
4. Total Dissolved Solids		231531.2	
5. Suspended Solids		NR	
6. Dissolved Oxygen		NR	
7. Dissolved CO ₂		NR	
8. Oil In Water		NR	
9. Phenolphthalein Alkalinity (CaCO ₃)			
10. Methyl Orange Alkalinity (CaCO ₃)			
11. Bicarbonate	HCO ₃	158.0	HCO ₃ 2.6
12. Chloride	Cl	137385.0	Cl 3875.5
13. Sulfate	SO ₄	4000.0	SO ₄ 83.3
14. Calcium	Ca	3520.0	Ca 175.6
15. Magnesium	Mg	633.8	Mg 52.1
16. Sodium (calculated)	Na	85834.4	Na 3733.6
17. Iron	Fe	0.0	
18. Barium	Ba	0.0	
19. Strontium	Sr	0.0	
20. Total Hardness (CaCO ₃)		11400.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter				Compound	Equiv wt	X meq/L	= mg/L
+-----+				-----			
176	*Ca <-----	*HCO ₃	3	Ca (HCO ₃) 2	81.0	2.6	210
-----	/----->		-----	CaSO ₄	68.1	83.3	5669
52	*Mg ----->	*SO ₄	83	CaCl ₂	55.5	89.8	4981
-----	<----->	/	-----	Mg (HCO ₃) 2	73.2		
3734	*Na ----->	*Cl	3875	MgSO ₄	60.2		
+-----+			+-----+	MgCl ₂	47.6	52.1	2482
Saturation Values Dist. Water 20 C				NaHCO ₃	84.0		
CaCO ₃		13 mg/L		Na ₂ SO ₄	71.0		
CaSO ₄ * 2H ₂ O		2090 mg/L		NaCl	58.4	3733.6	218189
BaSO ₄		2.4 mg/L					

REMARKS:

----- L. MALLET / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT

SCALE TENDENCY REPORT

Company	: YATES PETROLEUM	Date	: 10/28/92
Address	: ARTESIA, NEW MEXICO	Date Sampled	: 10/25/92
Lease	: LINDA	Analysis No.	: 209
Well	: SWD	Analyst	: STEVE TIGERT
Sample Pt.	: TANK		

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

S.I. =	0.5	at	60 deg. F	or	16 deg. C
S.I. =	0.5	at	80 deg. F	or	27 deg. C
S.I. =	0.5	at	100 deg. F	or	38 deg. C
S.I. =	0.6	at	120 deg. F	or	49 deg. C
S.I. =	0.7	at	160 deg. F	or	71 deg. C

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

S =	4705	at	60 deg. F	or	16 deg C
S =	5068	at	80 deg. F	or	27 deg C
S =	5293	at	100 deg. F	or	38 deg C
S =	5392	at	120 deg. F	or	49 deg C
S =	5400	at	160 deg. F	or	71 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT