

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HQ-1005

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Apache Corporation3a. Address 3b. Phone No. (include area code)
6120 S Yale Ave, Suite 1500 Tulsa OK 74136-4224 (918)491-48644. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330 FSL & 2310 FEL, Sec 35, T 19S, R 38E, Unit O

5. Lease Serial No.

NM 14812

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Werta Federal #1

9. API Well No.

30-025-27696

10. Field and Pool, or Exploratory Area
House; Blinebry11. County or Parish, State
Lea County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Apache respectfully requests permission to dispose produced water, approximately 13 BPD, from the Blinebry formation. This produced water is to be stored in a 500 bbl steel welded tank until trucked to either the Hobbs SWD #16, operated by Hungry Horse LLC, and located in the SE 1/4 of the SE 1/4 of Sec 16, T 19S, R 38E, Lea County, NM, or the A N ETZ SWD, operated by HRC Inc, and located in the SE 1/4 of the SE 1/4 of Sec 26, T 19S, R 38E, Lea County, NM.

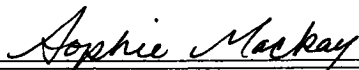
Attached with this request is a current water analysis report for the Werta Federal #1, as well as copies of the aforementioned disposal entities' approved Underground Injection Control Permits.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Sophie Mackay

Title Engineering Tech

Signature



Date 02/21/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

APPROVED

MAR 13 2007

Date


WESLEY W. INGRAM
PETROLEUM ENGINEER

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on page 2)

GWW

North Permian Basin Region
P.O. Box 740
Sundown, TX 79372-0740
(806) 229-8121
Lab Team Leader - Sheila Hernandez
(432) 495-7240

Water Analysis Report by Baker Petrolite

Company:	APACHE CORPORATION	Sales RDT:	44217
Region:	PERMIAN BASIN	Account Manager:	FRANK GARDNER (505) 390-5194
Area:	HOBBS, NM	Sample #:	372341
Lease/Platform:	WERTA FEDERAL	Analysis ID #:	68088
Entity (or well #):	1	Analysis Cost	\$80.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 372341 @ 75 °F							
Sampling Date:	2/19/07	Anions		mg/l	meq/l	Cations		mg/l	meq/l
Analysis Date:	2/20/07	Chloride:		82291.0	2321.13	Sodium:		46772.9	2034.51
Analyst:	LISA HAMILTON	Bicarbonate:		244.0	4.	Magnesium:		1601.0	131.7
TDS (mg/l or g/m3):	138854.3	Carbonate:		0.0	0.	Calcium:		4126.0	205.89
Density (g/cm3, tonne/m3):	1.095	Sulfate:		3113.0	64.81	Strontium:		100.0	2.28
Anion/Cation Ratio:	1	Phosphate:				Barium:		0.2	0.
		Borate:				Iron:		5.0	0.18
		Silicate:				Potassium:		601.0	15.37
Carbon Dioxide:	120 PPM	Hydrogen Sulfide:			100 PPM	Aluminum:			
Oxygen:		pH at time of sampling:			6.04	Chromium:			
Comments:		pH at time of analysis:				Copper:			
RESISTIVITY: .059 OHM-M@75		pH used in Calculation:			6.04	Lead:			
						Manganese:		0.200	0.01
						Nickel:			

Conditions Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl												
Temp	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	-0.28	0.00	0.08	243.01	0.07	181.80	0.20	24.18	0.61	0.00	1.64
100	0	-0.18	0.00	0.02	62.44	0.08	196.80	0.18	22.04	0.42	0.00	2.04
120	0	-0.07	0.00	-0.03	0.00	0.11	267.19	0.17	21.12	0.25	0.00	2.45
140	0	0.04	1.84	-0.07	0.00	0.17	377.98	0.17	21.12	0.11	0.00	2.85

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

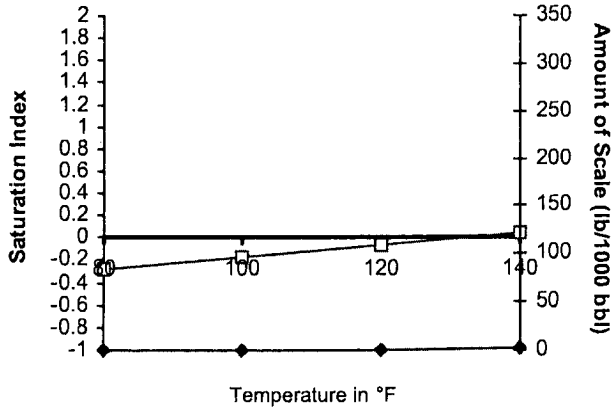
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

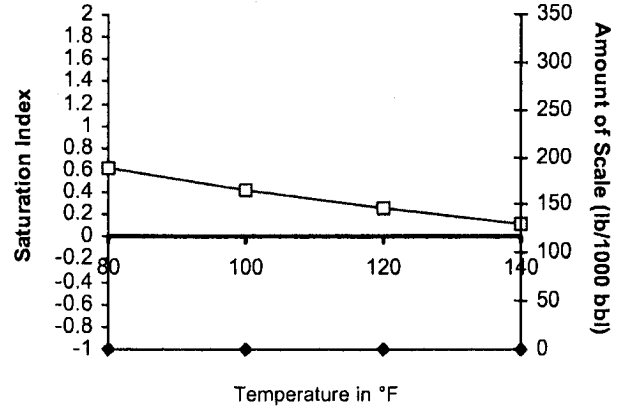
Scale Predictions from Baker Petrolite

Analysis of Sample 372341 @ 75 °F for APACHE CORPORATION, 2/20/07

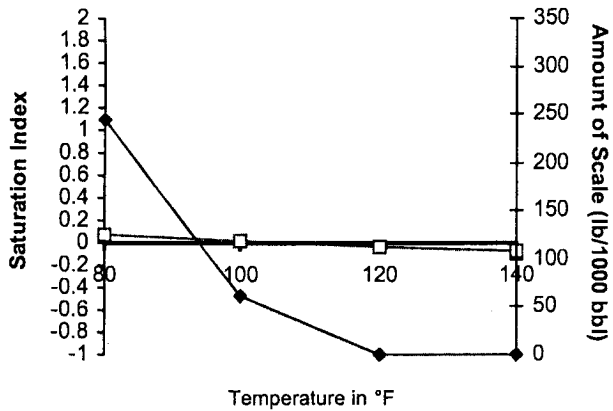
Calcite - CaCO_3



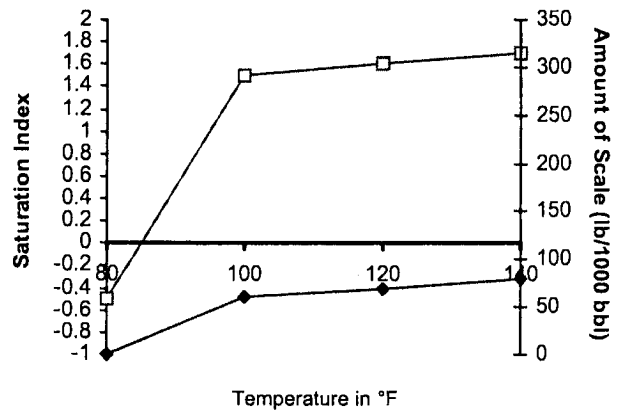
Barite - BaSO_4



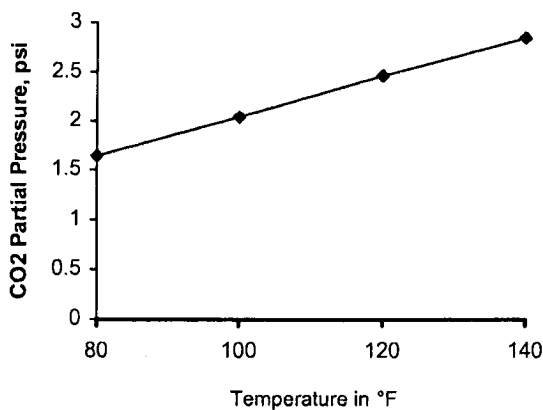
Gypsum - $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$



Anhydrite - CaSO_4



Carbon Dioxide Partial Pressure



Celestite - SrSO_4

