

## Mr. Perry L. Hughes

207 W McKay Carlsbad, NM 88220 505-885-5433 Fax 505-885-4989

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January 9, 2002

Mr. David Catanach  
Oil Conservation Division  
1220 S St Francis Dr  
Santa FE, NM 87504

RE: Hillside Oil & Gas  
Application to Dispose of Produced Water (C-108)  
Fox Well No. 1  
Atoka Glorieta Yeso Field  
Eddy County, NM

Dear Mr. Catanach,

Please refer to the referenced submittal made to you by Mr. Paul Cooter on January 7, 2002. I have examined the data submitted on Exhibit "C" and believe that additional information regarding cement tops is required for two wells.

1. Platt No. 4. Unit M Sec.26, T18S, R26E  
Drilled 1958. Current perfs 2758'-3753' in Glorieta Yeso.
  - a. 8 5/8" 28# SA 1115'. Cement w/750 sx – did not circulate. Performed top job w/150 sx.
  - b. 5 1/2" 14# SA 6405' in 7 7/8" hole. Cement w/800 sx. Type of cement unknown – assume Neat "C" with yield of 0.84 Ft<sup>3</sup>/sx.  
 $5 \frac{1}{2}" \text{ csg} \times 7 \frac{7}{8}" \text{ OH} = 5.7719 \text{ Ft/Ft}^3$   
 $800 \text{ sx} \times 0.84 \text{ Ft}^3/\text{sx} = 672 \text{ Ft}^3$   
 $672 \text{ Ft}^3 \times 5.7719 \text{ Ft/Ft}^3 = 3879 \text{ Ft}$   
 $6405' - 3879' = \underline{2526' \text{ Calc. TOC.}}$
2. Platt No. 8. Unit N Sec 26, T18S, R26E  
Drilled 1983. Current Perfs 2827'-3501' Glorieta Yeso.
  - a. 8 5/8" 24# SA 978'. Cement w/600sx – did not circulate. Performed top job w/200 sx – circ.
  - b. \* 4 1/2" 9.5# J-55 SA 3800' w/175 sx "C" + 4% Gel and 400 sx "C" Neat in 6 1/4" hole.  
 $4 \frac{1}{2}" \text{ csg} \times 6 \frac{1}{4}" \text{ OH} = 9.7460 \text{ Ft/Ft}^3$

Page 2  
January 9, 2002  
Perry L. Hughes

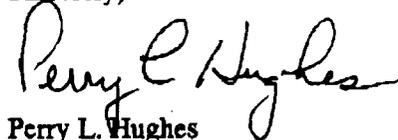
1. "C" + 4 % Gel: Yield 1.19 Ft<sup>3</sup>/sx  
 $175 \text{ sx} \times 1.19 \text{ Ft}^3/\text{sx} = 208 \text{ Ft}^3 \times 9.7460 \text{ Ft}/\text{Ft}^3 = 2030 \text{ Ft}$
2. "C": Yield = 0.84 Ft<sup>3</sup>/sx  
 $400 \text{ sx} \times 0.84 \text{ Ft}^3/\text{sx} = 336 \text{ Ft}^3 \times 9.7460 \text{ Ft}/\text{Ft}^3 = 3898 \text{ Ft}$

No report in well file if cement circulated, but based on calculation, TOC should be at or near surface.

- Records show "5 1/2" 9.5#" set in 6 1/4" hole. Believe casing size error – should be 4 1/2" casing.

Return receipts from mailings to offset operators and land owner have been received and will be provided. Analysis of samples from fresh water wells is being obtained and will be provided as soon as available. Please advise if this provides all the information required to obtain administrative approval for our application.

Sincerely,

  
Perry L. Hughes



# Perry L. Hughes

207 W McKay Carlsbad, NM 88220 505-885-5433 Fax 505-885-4989

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January 22, 2002

JAN 23 2002

Mr. David Catanach  
Oil Conservation Division  
1220 S St Francis Dr  
Santa FE, NM 87504

RE: Hillside Oil & Gas  
Application to Dispose of Produced Water (C-108)  
Fox Well No. 1  
Atoka Glorieta Yeso Field  
Eddy County, NM

Dear Mr. Catanach,

Please refer to the submittal made to you by Mr. Paul Cooter on January 7, 2002. Attached are the USPS Return Receipt Cards from the offset operators and the surface owner acknowledging receipt of the C-108. Also attached is the analysis by Halliburton of water samples from two fresh water wells within one mile of the proposed disposal well. These wells are located in the SW/4 SE/4 Section 27, T18S, R26E, Eddy County, New Mexico.

I believe this provides all the information and data required. Please advise if anything additional is needed. Thank you for your timely consideration of our application.

Sincerely,

  
Perry L. Hughes

Attachments



CENTRAL OPERATIONS LABORATORY  
WATER ANALYSIS REPORT  
HOBBS, NEW MEXICO

COMPANY Hillside Oil & Gas Co. LLC  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REPORT W02-013  
DATE January 18, 2002  
DISTRICT Artesia

SUBMITTED BY \_\_\_\_\_

WELL Vicki Boyce DEPTH \_\_\_\_\_ FORMATION \_\_\_\_\_  
COUNTY Eddy FIELD \_\_\_\_\_ SOURCE \_\_\_\_\_

SAMPLE					
Sample Temp.	66	°F			
RESISTIVITY	15.8				
SPECIFIC GR.	1.001				
pH	7.18				
CALCIUM	750	mpl			
MAGNESIUM	600	mpl			
CHLORIDE	128	mpl			
SULFATES	0	mpl			
BICARBONATES	73	mpl			
SOLUBLE IRON	0	mpl			
Sodium	-1885	mpl	0	mpl	0
TDS	-334	mp	0	mpl	0
OIL GRAVITY	@	°F	@	°F	@

REMARKS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MPL = Milligrams per liter  
Resitivity measured in Ohm-cm/m

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Co.

ANALYST: James Bonner



CENTRAL OPERATIONS LABORATORY  
WATER ANALYSIS REPORT  
HOBBS, NEW MEXICO

COMPANY Hillside Oil & Gas Co. LLC  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REPORT W02-012  
DATE January 18, 2002  
DISTRICT Artesia

SUBMITTED BY \_\_\_\_\_

WELL Dorothy Boyce DEPTH \_\_\_\_\_ FORMATION \_\_\_\_\_  
COUNTY Eddy FIELD \_\_\_\_\_ SOURCE \_\_\_\_\_

SAMPLE					
Sample Temp.	66	°F			
RESISTIVITY	15.8				
SPECIFIC GR.	1.001				
pH	7.20				
CALCIUM	300	mpl			
MAGNESIUM	400	mp			
CHLORIDE	101	mpl			
SULFATES	0	mpl			
BICARBONATES	24	mpl			
SOLUBLE IRON	0	mpl			
Sodium	-1026	mpl	0	mpl	0
TDS	-201	mpl	0	mpl	0
OIL GRAVITY	@	°F	@	°F	@

REMARKS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MPL = Milligrams per liter  
Resistivity measured in: Ohm/cm 2/m

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ANALYST: James Bonner

**SENDER: COMPLETE THIS SECTION**

**COMPLETE THIS SECTION ON DELIVERY**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

A. Received by (Please Print Clearly) **LAVONNE MACHEERS** B. Date of Delivery **12-31**

C. Signature **Lavonne Macheers**  Agent  Addressee

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

1. Article Addressed to:

**MACHEERS FAMILY TRUST ET AL  
1244 WOOD AVE  
WICHITA KS 67212**

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Copy from service label) **7000 1530 0000 1625 1375**

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

A. Received by (Please Print Clearly) **DEC 28 2000 PATTI CARLILE** B. Date of Delivery

C. Signature **Patti Carlile**  Agent  Addressee

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

1. Article Addressed to:

**YATES PETROLEUM CORPORATION  
105 S FOURTH ST  
ARTESIA NM 88210**

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Copy from service label) **7000 1530 0000 1625 1399**

**SENDER: COMPLETE THIS SECTION**

**COMPLETE THIS SECTION ON DELIVERY**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

A. Received by (Please Print Clearly) **Kasalic Jones** B. Date of Delivery **12-21-01**

C. Signature **Kasalic Jones**  Agent  Addressee

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

1. Article Addressed to:

**PREMIER OIL & GAS  
PO BOX 1246  
ARTESIA NM 88211-1246**

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Copy from service label) **7000 1530 0000 1625 1382**