

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OAH No. 1094-0135
Expires January 31, 2004

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

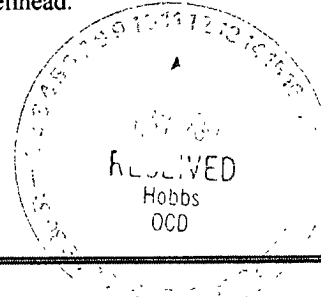
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM-89836 FEE
2. Name of Operator Pride Energy Company		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 701950, Tulsa OK 74170-1950	3b. Phone No. (include area code) (918) 524-9200	7. If Unit or CA/Agreement, Name and/or No. NM-91029A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Section 7-12S-38E NWNE		8. Well Name and No. Marigold Unit #1
		9. API Well No. 30-025-32859
		10. Field and Pool, or Exploratory Area Gladiola Field
		11. County or Parish, State Lea County, New Mexico

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 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 recompleat 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 3160-1 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.)

Please accept this as Pride Energy's request for water disposal approval. Pride Energy is disposing water in the Gladiola Salt Water Disposal System. The salt water is being temporarily stored on the lease in a 300 bbl tank until it is piped to the Gladiola Salt Water Disposal System. The salt water is moved to the disposal facility via a pipeline. The Gladiola Salt Water Disposal System is operated by Purvis Operating Company, 500 West Texas Street Ste 960, Midland TX 79701 (915)682-7346. The disposal system is located in the NE 1/4 of Section 7-12S-38E, Lea County, NM. The Gladiola Salt Water Disposal System's north-south line is located approximately 400' west of the Marigold Unit #1 wellhead.



14. I hereby certify that the foregoing is true and correct: Name (Printed Type) Nicole Buring		Accountant Title Date March 9, 2004
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APPROVED (ORIG. SGD.) DAVID H. GLASS		SEE ATTACHED FOR CONDITIONS OF APPROVAL
Approved by		Title

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

Title 18 U.S.C. Section 1001 and 18 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.

mp.7079.df

GNW

Permian Treating Chemicals WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Pride Energy
Lease : Marigold
Well No. : #1
Location:
Attention:

Date Sampled : 24-March-2004
Date Analyzed: 05-April-2004
Lab ID Number: Apr0504.001-3
Salesperson :

ANALYSIS

File Name : F:\ANALYSES\Apr0504.001

1. Ph
2. Specific Gravity 60/60 F.
3. CaCO₃ Saturation Index

6.050
1.178

@ 80F
@140F

0.601
2.511

Dissolved Gases

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

Not Present
Not Determined
Not Determined

MG/L. EQ. WT. *MEQ/L

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

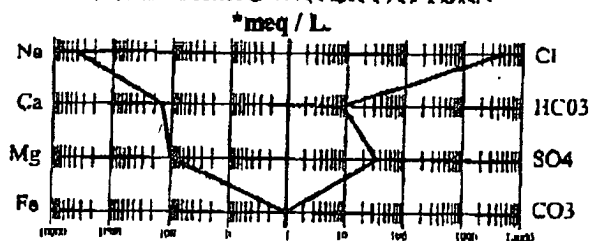
2,806 / 20.1 = 139.60
1,167 / 12.2 = 95.66
95,374 / 23.0 = 4,146.70
Not Determined

Anions

11. Hydroxyl (OH-)
12. Carbonate (CO₃=)
13. Bicarbonate (HCO₃-)
14. Sulfate (SO₄=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Total Hardness as CaCO₃
19. Resistivity @ 75 F. (Calculated)

0 / 17.0 = 0.00
0 / 30.0 = 0.00
515 / 61.1 = 8.43
1,600 / 48.8 = 32.79
153,965 / 35.5 = 4,337.04
255,427
8 / 18.2 = 0.41
11,811
0.001 /cm.

LOGARITHMIC WATER PATTERN



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X	*meq/L	= mg/L.
Ca(HCO ₃) ₂	81.04	8.43	683	
CaSO ₄	68.07	32.79	2,232	
CaCl ₂	55.50	98.39	5,460	
Mg(HCO ₃) ₂	73.17	0.00	0	
MgSO ₄	60.19	0.00	0	
MgCl ₂	47.62	95.66	4,555	
NaHCO ₃	84.00	0.00	0	
NaSO ₄	71.03	0.00	0	
NaCl	58.46	4,143.00	242,200	

Calcium Sulfate Solubility Profile

