

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

1301 W. Grand Avenue

Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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.

5. Lease Serial No.
NMNM 3620

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM111028

8. Well Name and No.
Kitty Hawk Federal 1
API Well No.
50-015-32746-00-SI

10. Field and Pool, or Exploratory Area
Watkins/Bone Springs

11. County or Parish, State
EDDY COUNTY, NM

RECEIVED

APR 15 2005

DOB-ARTESIA

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LYNX PETROLEUM CONSULTANTS, INC.

3a. Address

P.O. BOX 1708 HOBBS, NM 88240

3b. Phone No. (include area code)

(505) 392-6950

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

Sec. 1, T19S, R31E, NWSE 1980 FSL 1850 FEL

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 recompleat 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.)

Request NTL-2B approval:

Formation: Bone Springs

Water Produced: 96 BWPD

Water Analysis: See Attached

Water Storage: 300 Bbl. fiberglass tank located U.L. "J", Sec. 1,
T-19S, R-31E, Eddy County, NM

Method of Movement: Truck (Hauler- MacLaskey Oilfield Services)

Disposal System: Judah SWD T-Bone Federal (C - 33, T-18S, R-31E)
Permit #950

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

Name (Printed/Typed)

Andrea Scott

Title Regulatory Clerk

Signature

Andrea Scott

Date

4/8/05

APPROVED

APR 14 2005

LES BABYAK
PETROLEUM ENGINEER

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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 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 a matter within its jurisdiction.

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx	Date Sampled : 03/22/05
Lease Name :	Kitty Hawk	Capitan Rep. : S Seed,
Well Number :		Company Rep. : W Shields, L Scott
Location :	Lea County, N.M.	

ANALYSIS

1. pH	7.01	
2. Specific Gravity @ 60/60 F.	1.115	
3. CaCO ₃ Saturation Index @ 80 F.	+0.995	'Calcium Carbonate Scale Possible'
@ 140 F.	+1.915	'Calcium Carbonate Scale Possible'

Dissolved Gasses

4. Hydrogen Sulfide	0	PPM
5. Carbon Dioxide	322	PPM
6. Dissolved Oxygen	Not Determined	

Cations	mg/L	/	Eq. Wt.	=	MEQ/L
7. Calcium (Ca++)	3,900	/	20.1	=	194.03
8. Magnesium (Mg++)	5,164	/	12.2	=	423.26
9. Sodium (Na+) Calculated	50,813	/	23.0	=	2,209.28
10. Barium (Ba++)	Not Determined	/	68.7	=	0.00

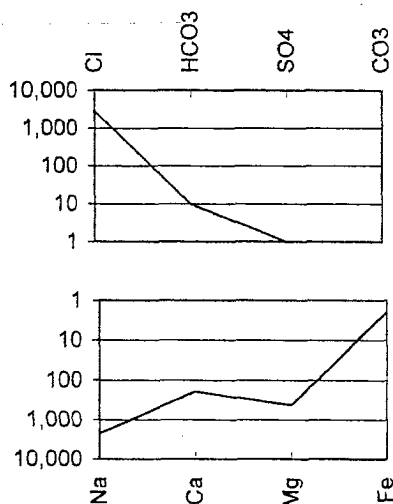
Anions

11. Hydroxyl (OH-)	0	/	17.0	=	0.00
12. Carbonate (CO ₃ =)	0	/	30.0	=	0.00
13. Bicarbonate (HCO ₃ -)	590	/	61.1	=	9.66
14. Sulfate (SO ₄ =)	0	/	48.8	=	0.00
15. Chloride (Cl-)	100,000	/	35.5	=	2,816.90

Other

16. Soluble Iron (Fe)	35	/	18.2	=	1.92
17. Total Dissolved Solids	160,468				
18. Total Hardness As CaCO ₃	31,000				
Calcium Sulfate Solubility @ 90 F.	3,423				
20. Resistivity (Measured)	0.090	Ohm/Meters	@ 60	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO ₃) ₂	81.04	X	9.66	=	783
CaSO ₄	68.07	X	0.00	=	0
CaCl ₂	55.50	X	184.37	=	10,232
Mg(HCO ₃) ₂	73.17	X	0.00	=	0
MgSO ₄	60.19	X	0.00	=	0
MgCl ₂	47.62	X	423.26	=	20,156
NaHCO ₃	84.00	X	0.00	=	0
NaSO ₄	71.03	X	0.00	=	0
NaCl	58.46	X	2,209.28	=	129,154