

Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural ResourcesOIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505Form C-103  
Revised March 25, 1999

WELL API NO.

30-15-06184

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil &amp; Gas Lease No.

BA-635

7. Lease Name or Unit Agreement Name:

Leonard

8. Well No.

Leonard State #3

9. Pool name or Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐ Gas Well ☐ Other Salt Dome Storage

2. Name of Operator

Loco Hills GSF LTD

3. Address of Operator

1231 Old Avenue Rd

4. Well Location

Unit Letter L : 1975 feet from the South line and 560 feet from the East lineSection 22 Township 17S Range 27E NMPM County Elizabet

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

Ground

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐OTHER: Casing square ☐

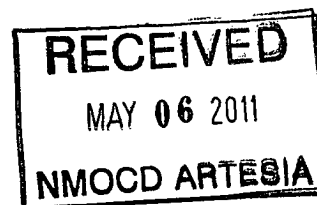
## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☐OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attachment

Estimated start date May 9, 2011



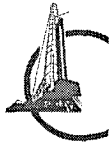
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B. Smith TITLE Terminal Operator DATE 05/05/11Type or print name John B. Smith Telephone No. 575 627-2331

(This space for State use)

APPROVED BY MDade TITLE Dist. H Supervisor DATE 05/06/2011

Conditions of approval, if any:



# Caruthers Consulting

Engineering & Design • Well & Field Analysis  
Drilling & Operating • Workover & Completion  
Consulting: Geological • Reservoir • Drilling  
Oil, Gas & SWD Facility Construction  
SWD Automation • Oilfield Marketing

Lease Name: Loco Hills GSF  
Lease Name: Leonard State #3  
Field: Leonard  
District Eddy County, New Mexico  
Operator: Loco Hills GSF

## Tubular Specifications:

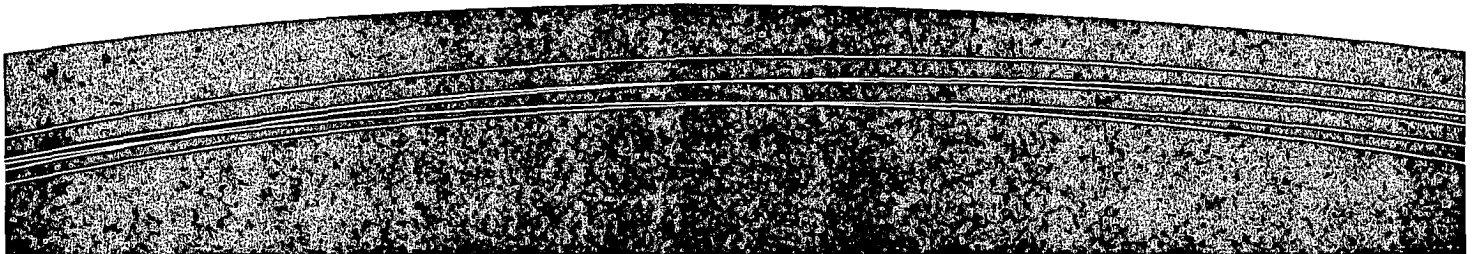
Surface Long String 7" OD 20#, ID 6.456", Set EOC @ 500'  
Casing Abandoned 5.5OD 15.5# ID 4.590", Set @ 410'  
Long String Casing 4" OD 10.46# ID 3.476", Set @ 473.07'  
Injection Tubing 2 3/8" FL4S Ultra, ID 1.995", Set @ 609'  
Well Head 5 1/2" Larkin "R" 8 5/8" 8Rd Bonnet

## Locate / Order Pre-workover Equipment:

- (A) Order Lift Nubbins for 2 3/8" FL4S Ultra Tubing.
- (B) Order Pipe Racks to lay down injection Tubing.
- (C) Order 2 3/8" FJ Work String (500") with Lift Nubbins.
- (D) Order 2 3/8" Slip Type Elevators
- (E) Order 4" OD 3.476" ID Cement Retainer Assembly

## Procedure as follows:

- (.01) MIRU PU, ND WH, N BOP w 4"OD Rams, for 8 5/8" 8 Rd Larkin 5 1/2" Model "R" Well Head.
- (.02) POOH w 2 3/8" FL4S Ultra, LD String on Racks (Dope Pins & Boxes).
- (.03) MIRU Slick Line, TIH w 3 1/8 retrievable wire line Plug, Set @ 489.5', POOH W Slick Line RD SL.
- (.04) MI Pressure Truck, Tst Csg to 400 PSIG, if PSIG Holds Prepare to Perforate.
- (.05) MI Wire Line Unit, TIH w Perf Guns to ( depth to be determined from logs), Perf interval with 3 SPF Spiral. POOH W Wire line guns, Have Unit Stand By.
- (.06) MI Pressure Truck establish rate of injection, evaluate rate, Repeat procedure from logs until rate established of Cmt Squeeze volumes'. RD WL and Pressure Truck.
- (.07) PU 3.5 Cmt Retainer, CO Sub, & 2 3/8" WS TIH to 475', Set Retainer, Pressure Test Back Side to 400 PSIG, if Bleed off occurs reset Retainer. Retest Back Side until Pressure Holds.
- (.08) MI Pressure Truck Establish Injection Rate to Test for Cmt Squeeze. Prepare to squeeze interval with Matrix or comparable cement product.



# Caruthers Consulting

- (.09) MI Rising Star Cementers, NU and establish Rate, Pump Recommended Squeeze to procedures. ND Rising Star.
- (10) Sting out of Retainer, Circulate bottoms up, POOH w Stinger, Stand WS Back in Derrick, Shut Down for 48 Hrs to allow Cmt to cure.
- (11) TIH sting into Retainer, Pressure test Squeeze, latch on to Retainer, POOH w Retainer, LD Retainer, TIH with Bit Tag Cmt drill to plug, close BOP Tst Squeeze if holds, circulate hole clean, POOH w Bit and WS.
- (12) MI Wire line unit, TIH with Retrieving Tool, Latch on Retrievable Plug Rls, POOH W Plg.
- (13) TIH W Pkr to 481' set Pkr. MI Press Truck PSI Tst Back Side (MIT) on 4" casing, for 30 minutes @ 400 PSIG, with Chart Recorder. Once Tst is finished and Pressure is bled off, POOH w Tbg & Pkr LD Tbg & Pkr.
- (13) TIH w 2 3/8 FJ4S Ultra to 608' hang off tubing in slips, ND BOP, pack off well head,
- (14) NU Well Head For Nitrogen Open Hole Tst, Move in Nitrogen Tst Equipment, Charge well through 4" Casing to 1.5 times Working PSIG but not to exceed Frac Gradient Pressure. Place on Certified Pressure Chart Recorder for 4 hours. After Test Certification prepare to place well back in service.
- (15) RD PU Send to Yard. Release all rental equipment. Completion procedure completed. End Report.

PO Box 121608  
Fort Worth, TX  
76121-1608  
Phone (817) 781-8999

[rick@caruthersconsult.com](mailto:rick@caruthersconsult.com)