

Submit 3 Copies To Appropriate District Office

District I

1625 N French Dr, Hobbs, NM 88240

District II

1301 W Grand Ave, 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 Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103

June 19, 2008

WELL API NO. 30-039-05969
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name G. Dunham
8. Well Number 9
9. OGRID Number 6640
10. Pool name or Wildcat GAVILAN

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator E. L. Fundingsland	
3. Address of Operator P. O. Box 1157, Littleton, CO 80160-1157	
4. Well Location Unit Letter <u>M</u> : <u>890</u> feet from the <u>South</u> line and <u>920</u> feet from the <u>West</u> line Section <u>14</u> Township <u>25N</u> Range <u>2W</u> NMPM County <u>Rio Arriba</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc) 7300 KB	

12. 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 COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER ☐

13. 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.

Operator E.L. Fundingsland proposes to permanently abandon the subject well using the attached procedure.

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS

RCVD NOV 18 '08

OIL CONS. DIV.

DIST. 3

Spud Date:

Rig Release Date:

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

SIGNATURE E. L. Fundingsland TITLE Operator DATE 11/10/08

Type or print name E. L. Fundingsland E-mail address: fundingsland@msn.com PHONE: 303-738-8839

For State Use Only

APPROVED BY: Felix G. Rios TITLE Deputy Oil & Gas Inspector, District #3 DATE NOV 18 2008

Conditions of Approval (if any) NOTIFY OGD AZTEC 24 HOURS PRIOR TO START OF WORK.

B 11/18

PLUG & ABANDONMENT PROCEDURE

Operator: E. L. Fundingsland
Well: Sunico – G. Dunham #9
Location: UL M, 890' FSL, 920' FWL, Sec 14, T25N, R2W, NMPM
API Number: 30-039-05969
Field: Gavilan PC
KB: 7' above GL.

Surface Casing: 8-5/8" set at 100 ft (Cemented with 60 sx)
Hole size: 10-3/4"
Production Casing: 4-1/2" 9.5#/ft set at 3494. (Cemented with 100 sx)
Hole size: 6-3/4"

No rods. No Packer. Tubing: 1". **Note: 2-3/8" Work String required.**

Formation tops: Ojo Alamo: 3069'
Kirtland: 3249'
Fruitland: 3338'
Picture Cliffs: 3379'

Caliper NA. Cement bond log NA Temperature survey NA

Note: All cement volumes use 100% excess outside pipe and 100 plus 50' excess inside pipe.
The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all expected formation pressures. All cement will be Class G, mixed at 15.6 ppg, with a 1.15 cf/sx yield.

Comply with all NMOCD, BLM and Operator safety regulations.

NOTE: Project will require the operator to obtain an approved NMOCD C-144 "Pit or Below Ground Tank Registration or Closure application for a Closed Loop System for the use of a Silver Star Corporation steel tank to handle waste fluids circulated from the well.

Install and test location rig anchors.

Move on location and rig up daylight well service unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. Install relief line to pit and blow down well. Pump tubing capacity down tubing. Nipple down wellhead and nipple up 3000 psi BOP. Trip out of hole and lay down 1" tubing.

Rig up wireline and set CIBP @ 3329 (50' above top of Picture Cliffs formation)

RIH with 2-3/8" tubing, load hole ($.0162 * 3329' = 53.92$ bbls) and circulate hole clean.
Pressure test casing to 500 psig. **(Note: If the casing does not test then spot and tag all subsequent plugs as appropriate.)**

Note: Estimated top of cement behind 4-1/2" casing is based on initial cement job: 125 sx yield @ 1.15 cf/sx = 143.75 cf. less shoe joint volume. $.0912 * 30' = 2.736$ cf.. Cement volume outside casing = 141 cf. of cement. Volume between 6-3/4" hole and 4-1/2" casing is 7.2433 lineal ft per c.f. Lineal feet of cement behind 4-1/2 casing is $141 \text{ c.f.} * 7.2433 \text{ ft /c.f.} = 1021 \text{ ft.}$

Calculated top of cement: $3494 - 1021 = 2473$ +/- (Top Ojo Alamo @ 3069')

With wireline truck, run Cement Bond Log to determine Top of Cement behind 4-1/2" casing
See Alternate Plug #2 below.

Plug #1: Pictures Cliffs Perforations and Top of Fruitland formation
Picture Cliffs: 3379 – 3414. Perforations: 3386-3414
Fruitland Top: 3338 (Top of Plug #1 3188' KB)
Fruitland Formation" 3379 – 3338 (top of plug at 3188')
4-1/2" 9.50#/ft. Casing volume: $150 * 0.0912$ c.f./ft = 13.68 cf.)

Mix 15 sacks Class G cement ($15 * 1.15$ cf/sx = 17.25 c.f.) and spot a balanced plug inside the casing above the CIBP from 3329 – 3140' (189') to isolate the Pictures Cliffs and Fruitland Formation. TOH w/ tbg.

Alt. Plug #2 Volume outside 4-1.2 by 6-3/4" hole = .1387 c.f./ft
(200 ft of coverage. * .1387 = 27.74 cf. /1.15 = 24.12 sxs)
Inside Casing Volume: .0912 c.f./ft.
(150 ft. * .0912 = 13.68 c.f./ 1.15 = 11.89 sxs)
Total = 37 sacks

Top Ojo Alamo Formation: 3069' KB. If Cement Bond Log indicates TOC below top of Ojo Alamo or less than 200' above top of Ojo Alamo then perforate 3 squeeze holes above TOC. Establish injection rate. Set Cement retainer 50 ft above squeeze holes. RIH w/ tbg and sting into CR. Establish injection rate into squeeze holes. Mix 40 sacks Class G. (46 c.f.). Squeeze 25 sx (28.75 c.f.) outside the casing (200' coverage) and leave 12 sx (13.8 c.f. = 151 ft) inside casing. TOH

Plug #2: 8-5/8" Surface Casing, 200' – Surface:
Volume between 4-1/2" casing and 8-5/8" casing: 0.2417 c.f. per ft.
Outside casing: 24.17 c.f. / 1.15 = 21.5 sx
Volume outside 4-1.2 by 6-3/4" hole = .1387 c.f./ft
100 ft of coverage. * .1387 = 13.87. Cf. /1.15 = 12.06 sxs) Double for excess

Casing capacity: .0192 c.f./ft.
Inside volume: $200' * .0192 = 18.24$ c.f./ 1.15. = 15.86 sxs
Total 40 sxs

Perforate 3 squeeze @ 200'. Establish circulation out bradenhead with water and circulate the bradenhead annulus clean. Mix 40 sacks Class G (40.25 c.f.) cement and pump down the casing to circulate good cement out bradenhead. Shut in well and WOC.

ND BOP and cut off wellhead below casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location and cut off anchors. Restore location to NMOCD stipulations.

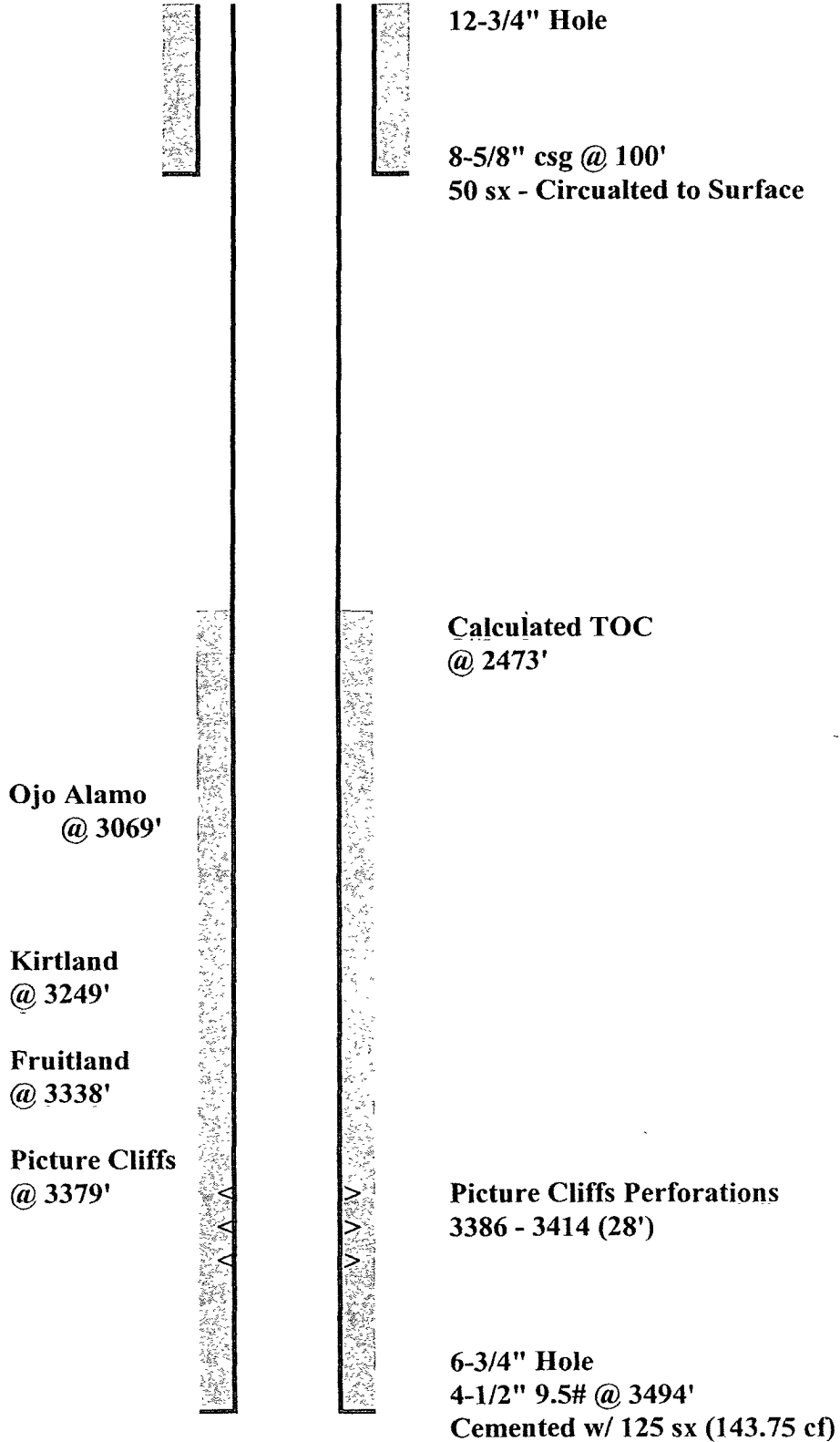
Sunico-Dunham # 9

Current

Gavilan PC

UL M, 890' FSL, 920' FWL, Sec 14, T25N, R2W, NMPM

Rio Arriba County



**Sunico-Dunham # 9
Proposed**

Gavilan PC

**UL M, 890' FSL, 920' FWL, Sec 14, T25N, R2W, NMPM
Rio Arriba County**

