submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Sundry Notices and Reports on Wells

1. **Type of Well**
   Gas

2. **Name of Operator**
   Western Oil & Minerals, Ltd

3. **Address & Phone No. of Operator**
   P.O. Drawer 1228, Farmington,NM 87499

Location of Well, Footage, Sec., T, R, M
1850' FSL and 1800' FEL Sec.29 , T-26-N, R-2-W,
J

5. **Lease Number**
   ~~SF 080473~~ NM 01806
6. **If Indian, All. or Tribe Name**
7. **Unit Agreement Name**
8. **Well Name & Number**
   Gardner #1
9. **API Well No.**
   30-039-_____
10. **Field and Pool**
    Pinelake Ext. PC
11. **County & State**
    Rio Arriba County, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action	
X Notice of Intent	X Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	___ Other -	

13. Describe Proposed or Completed Operations

Western Oil & Minerals proposes to plug and abandon this well per the attached Plug and Abandonment procedure and diagram.

RECEIVED
JUN 16 1997
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed Thomas J. Smith Title Agent Date May 16, 1997
Thomas J. Smith

(This space for Federal or State Office use)
APPROVED BY for Title Chief, Lands and Mineral Resources Date JUN 10 1997
CONDITION OF APPROVAL, if any: Attached

Surface restoration in attached letter -

PLUG & ABANDONMENT PROCEDURE

5-27-97

Gardner #1
Pinelake PC Extension
1850' FSL and 1800' FEL / SE Section 29, T-26-N, R-2-W
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD and BLM safety regulations.

2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.

3. Pull and visually inspect tubing from well. If 1" or in poor shape then lay down. If necessary PU 2-3/8" tubing work string.

4. **Plug #1 (Pictured Cliffs perforations & top, Fruitland, Kirtland and Ojo Alamo tops, 3946' - 3450'):** RIH with open ended tubing to 3946' or as deep as possible. Pump 20 bbls water. Mix and pump 58 sxs Class B cement (long plug, 50% excess) and spot a balanced plug inside casing from 3946' to 3450' to cover Pictured Cliffs perforations, Fruitland, Kirtland and Ojo Alamo tops. POH with tubing and WOC. While WOC, round-trip 4-1/2" gauge ring to 2700'. RIH and tag cement. Pressure test casing to 500#.

5. **Plug #2 (Nacimiento top, ~~2750' - 2650'~~ 1850 - 1750):** Perforate 4 squeeze holes at ~~2750'~~ 1850. Establish rate into squeeze holes if casing tested. PU 4-1/2" cement retainer and RIH; set at ~~2700'~~ 1800. Establish rate under CR. Mix and pump 47 sxs Class B cement, squeeze 35 sxs outside casing and leave 12 sxs inside casing over Nacimiento top. POH and LD tubing.

6. **Plug #3 (Surface):** Perforate 3 squeeze holes at 152'. Establish circulation out bradenhead valve. Mix approximately 45 sxs Class B cement and pump down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.

7. ND BOP and cut off wellhead below surface casing. Fill casing and annulus as necessary. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

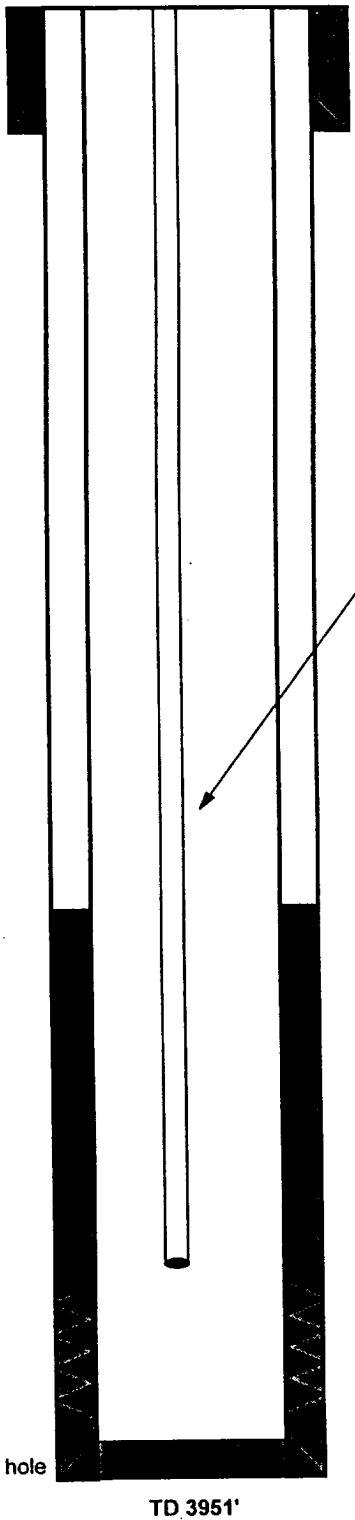
Gardner #1

Current

Pinelake Pictured Cliffs Extension

SE, Section 29, T-26-N, R-2-W, Rio Arriba County, NM

Today's Date: 5/27/97
Spud: 11/2/60
Completed: 11/11/60



8-5/8" 24# Csg set @ 102'
50 sxs cement (Circulated to Surface)

11" hole

128 jts 1-1/4" tbg approx. 3840'

Nacimiento @ 1850'

Top of Cement @ 3303' (Calc, 75%)

Ojo Alamo @ 3500'

Kirtland @ 3612'

Pictured Cliffs @ 3836'

Pictured Cliffs Perforations:
3856' - 3903'

7-7/8" hole

4-1/2" 9.5# J-55 casing set @ 3946'
Cmt w/ 150 sxs

TD 3951'

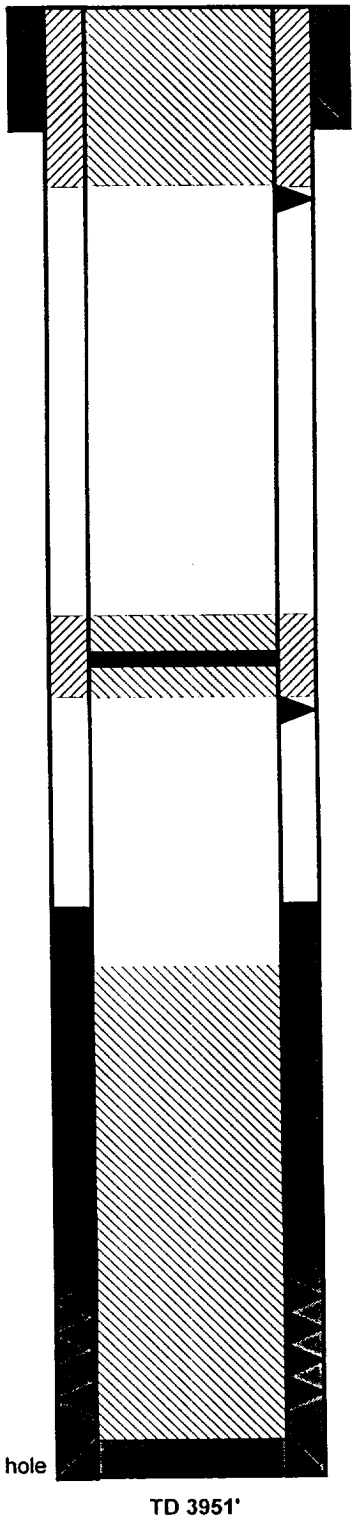
Gardner #1

Proposed P&A

Pine Lake PC Extension

SE, Section 29, T-26-N, R-2-W, Rio Arriba County, NM

Today's Date: 5/27/97
Spud: 11/2/60
Completed: 11/11/60



8-5/8" 24# Csg set @ 102'
50 sxs cement (Circulated to Surface)

11" hole

Perforate @ 152'

Plug #3 152' - Surface
Cmt with 45 sxs Class B

Nacimiento @ 1850'

Cement Rt @ 1800'

Perforate @1850'

Plug # 2 1850' -1750'
Cmt with 47 sxs Class B,
35 sxs outside casing
and 12 sxs inside.

Top of Cement @ 3303' (Calc, 75%)

Plug #1 3946'- 3450'
Cmt with 58 sxs Class B,
(50% excess, long plug).

Ojo Alamo @
3500'

Kirtland @ 3612'

Pictured Cliffs @ 3836'

Pictured Cliffs Perforations:
3856' - 3903'

7-7/8" hole

4-1/2" 9.5# J-55 casing set @ 3946'
Cmt w/ 150 sxs

TD 3951'