

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
Little Oil & Gas

3. Address & Phone No. of Operator
P.O. Box 111, Farmington, NM 87499

Location of Well, Footage, Sec., T, R, M
790' FNL & 790' FEL, Section 16, T-25-N, R-3-W,

5. Lease Number
NM-03356 63556

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Schmitz #1

9. API Well No.
30-039-06033

10. Field and Pool
Tapacito Pictured Cliffs

11. County & State
Rio Arriba County, NM

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

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Little Oil & Gas plans to plug and abandon this well per the attached procedure.

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

Signed

Aprilia F. Little Title

Date 10/3/01

(This space for Federal or State Office use)

APPROVED BY Is/ Brian W. Davis Title

Lands and Mineral Resources

Date OCT 25 2001

CONDITION OF APPROVAL, if any:

PLUG AND ABANDONMENT PROCEDURE

10/02/00

Schmitz #1

Tapacito Pictured Cliffs
NE, Sec.16, T25N, R3W
Rio Arriba County, 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. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Little Oil & Gas safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 2-3/8" tubing (3755'), inspect; if necessary LD tubing and PU workstring. Round-trip 5-1/2" gauge ring or casing scraper to 3686'.
3. **Plug #1 (Pictured Cliffs interval, 3682' – 3582')**: Set 5-1/2" wireline CIBP or CR at 3682'. TIH with open-ended tubing and tag. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 17 sxs cement and spot a balanced plug inside casing above the CIBP to isolate the Pictured Cliffs interval. TOH with tubing.
4. **Plug #2 (Fruitland top, 3385' – 3285')**: Perforate 3 HSC squeeze holes at 3385'. Establish rate into squeeze holes if casing tested. TIH and set a 5-1/2" cement retainer at 3335'. Pressure test tubing to 1000#. Establish rate into squeeze holes. Mix 47 sxs cement, squeeze 30 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover the Fruitland top. TOH.
5. **Plug #3 (Kirtland and Ojo Alamo tops, 3321' – 2940')**: Perforate 3 HSC squeeze holes at 3321'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 3160'. Establish rate into squeeze holes. Mix 117 sxs cement, squeeze 80 sxs cement outside 5-1/2" casing and leave 37 sxs cement inside casing to cover through the Ojo Alamo top. TOH with tubing.
6. **Plug #4 (Nacimiento top, 1075' – 975')**: Perforate 3 HSC squeeze holes at 1075'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 1025'. Establish rate into squeeze holes. Mix 47 sxs cement, squeeze 30 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover the Nacimiento top. TOH and LD tubing.
7. **Plug #5 (8-5/8" Surface casing, 182' to Surface)**: Perforate 3 HSC squeeze holes at 182'. Establish circulation out bradenhead valve. Mix and pump approximately 65 sxs cement down 5-1/2" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
8. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Schmitz #1

Current

Tapacito Pictured Cliffs

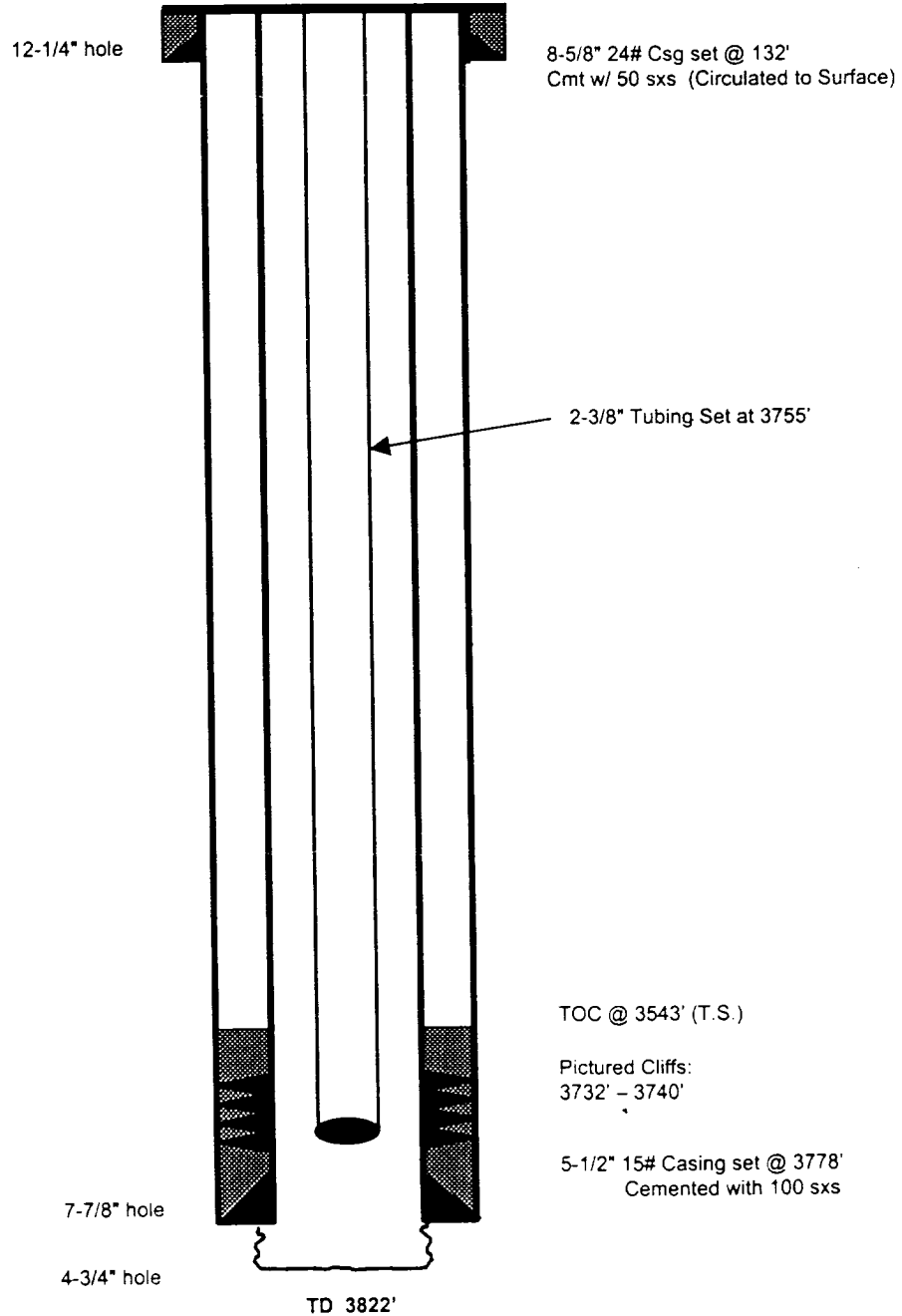
NE, Section 16, T-25-N, R-3-W, Rio Arriba County, NM

Today's Date: 10/2/01

Spud: 6/1/58

Completed: 7/7/58

Elevation: 7247' GL



Nacimiento @ 1025'

Ojo Alamo @ 2990'

Kirtland @ 3210'

Fruitland @ 3335'

Pictured Cliffs @ 3726'

Schmitz #1

Proposed P&A

Tapacito Pictured Cliffs

NE, Section 16, T-25-N, R-3-W, Rio Arriba County, NM

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Nacimiento @ 1025'

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Pictured Cliffs @ 3726'

12-1/4" hole

7-7/8" hole

4-3/4" hole

TD 3822'

8-5/8" 24# Casing set @ 132'
Cement w/ 50 sxs (Circulated to Surface)

Perforate @ 182'

Plug #5 182' – Surface
Cement with 65 sxs

Cmt Retainer @ 1025'

Perforate @ 1075'

Plug #4 1075' – 975'
Cement with 47 sxs,
30 sxs outside casing
and 17 sxs inside.

Cmt Retainer @ 3160'

Perforate @ 3210'

Cmt Retainer @ 3335'

Perforate @ 3385'

Set CIBP @ 3682'

TOC @ 3543' (T.S.)

Pictured Cliffs:
3732' – 3740'

Plug #3 3210' – 2940'
Cement with 117 sxs,
80 sxs outside casing
and 37 sxs inside.

Plug #2 3385' – 3285'
Cement with 47 sxs,
30 sxs outside casing
and 17 sxs inside.

Plug #1 3682' – 3582'
Cement with 17 sxs

5-1/2" 15# Casing set @ 3778'
Cemented with 100 sxs

BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work should be submitted with a Sundry Notice. Questions? Call Pat Hester at (505) 761-8786.

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location. Non-retrieved flowlines and pipelines will be abandoned in accordance with State Rule 714. Information supporting the non-retrieval will be included in the subsequent report or final abandonment Sundry Notice.

2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils can be remediated on-site according to these guidelines or disposed of in an approved facility.

3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" in depth before reseeding.

4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to deter vehicle travel. Access will be ripped to a minimum of 12" in depth, water barred and reseeded. All erosion problems created by the development must be corrected prior to acceptance of release. Water bars should be spaced as shown below along the fall line of the slope:

% Slope	Spacing Interval
Less than 20%	200'
2 to 5 %	150'
6 to 9 %	100'
10 to 15 %	50'
Greater than 15%	30'

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required). Seed mix must be certified weed free to avoid the introduction of noxious weeds. Refer to the original APD for seed mix.

6. Notify Surface Managing Agency seven (7) days prior to seeding so that they may be present to witness.

7. The period of liability under the bond of record will not be terminated until the well is inspected and the surface rehabilitation approved.

Other Surface Managing Agencies (SMA's) may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us. On private land, a letter from the fee owner stating that the surface restoration is satisfactory will be provided to the office. Questions? Call Pat Hester at (505) 761-8786.

IN REPLY REFER TO
3162.3-1 (017)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
Albuquerque Field Office
435 Montano N.E.
Albuquerque, New Mexico 87107

Company Little Oil & Gas.

Well No. Schmitz No. 1

Location 790' FNL & 790' FEL Sec.16, T25N, R3W, NMPM

Lease No. NMNM-03556

Government Contacts:

Bureau of Land Management , Albuquerque Field Office Office 505.761.8700
Manager: Steve Anderson, Assistant Field Manager 505.761.8982
Petroleum Engineer: Brian W. Davis 505.761.8756, Home 505.323-8698,
Pager 505.381.0346, Cell 505.249.7922.
Petroleum Engineering Technician: Al Yepa 505.252.6981 and 505.289.3748
BLM Geology / Environmental Contact: Patricia M. Hester 505.761.8786

GENERAL REQUIREMENTS
FOR
OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
2. For wells on Indian leases, Bryce Hammond with the Jicarilla Nation Tribal Oil and Gas Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-1823, x-31 office, (505) 320-9741 cell. Office hours are 7:45 a.m. to 4:30 p.m.
3. Blowout prevention equipment is required.
4. The sundry is approved as submitted.