

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Lomak Petroleum, Inc.

3. Address and Telephone No.

3030 Northwest Expressway, Suite 1850 Oklahoma City, OK 73112

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

(405) 947-3139

1980' FNL, 1980' FEL, Sec. 6^E, T23N, R6W

5. Lease Designation and Serial No.

SF 078362

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Marcus A #2

9. API Well No.

30-039-23849-00

10. Field and Pool, or Exploratory Area

Counselors (Gallup-Dakota
GP

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

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
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Propose to plug and abandon this well per the attached procedure.

RECEIVED
JUN - 9 1997

OIL CON. DIV.
DIST. 3

RECEIVED
JUN 23 PM 3:06
070 INMATION, NM

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

Signed Blaine String

Title Petroleum Engineer

Date 5/22/97

(This space for Federal or State office use)

Approved by /s/ Duane W. Spencer

Title

Date JUN - 5 1997

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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 any matter within its jurisdiction.

*See Instruction on Reverse Side

NMOCN

Marcus -A-#2
6G -T 23N-R 6W
Rio Arriba County, NM

Workover Procedure

Objective: Plug and Abandon Well

Note: All cement volumes use 100' excess outside of pipe and 100' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. The Class B cement properties are: 1.18 cf/sk, 5.2 gal/sk, and 15.6 ppg.

- 1.) Prepare blow pit. Install and test location rig anchors if necessary. Comply to all NMOCD and BLM safety regulations.
- 2.) MI & RU workover unit. Kill well w/ 2% KCL water if necessary. ND wellhead. NU BOP.
- 3.) POH and tally 2-3/8" tubing (visually inspect tubing while POH). If necessary, LD and PU 2-3/8" workstring.
- 4.) **Plug #1 (Gallup perforations and top - 5,704'-5,161')**: RIH with open ended tubing to 5,704'. Pump 30 bbls water and attempt to establish circulation. Mix 42 sx Class B cement and spot a balanced plug from 5,704'-5,161'. POH w/ tubing assembly and WOC.
- 5.) **Plug #2 (Mesaverde top - 3,675'-3,575')**: Perforate 4 squeeze holes at 3,675'. RIH w/ gauge ring on wireline and tag TOC at 5,161'. POH w/ gauge ring. RIH w/ 4-1/2" cement retainer and set at 3,625'. Establish rate into squeeze holes. Mix and pump 51 sx Class B cement, squeeze 39 sx cement outside of casing from 3,675'-3,575' to cover Mesaverde top and leave 12 sx inside casing. POH to 2,120'.
- 6.) **Plug #3 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2,120'-1,410')**: Mix 54 sx Class B cement and set a balanced plug inside casing from 2,120'-1,410' to cover the Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo formation tops. POH and LD tubing and setting tool.
- 7.) **Plug #4 (Surface)**: Perforate 2 squeeze holes at 316'. Establish circulation out of bradenhead valve. Mix approximately 96 sx Class B cement and pump down 4-1/2" casing. Circulate good cement out bradenhead valve. SWI and WOC.
- 8.) ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Marcus -A- #2
6G - 23N - 6W
Rio Arriba Co., NM

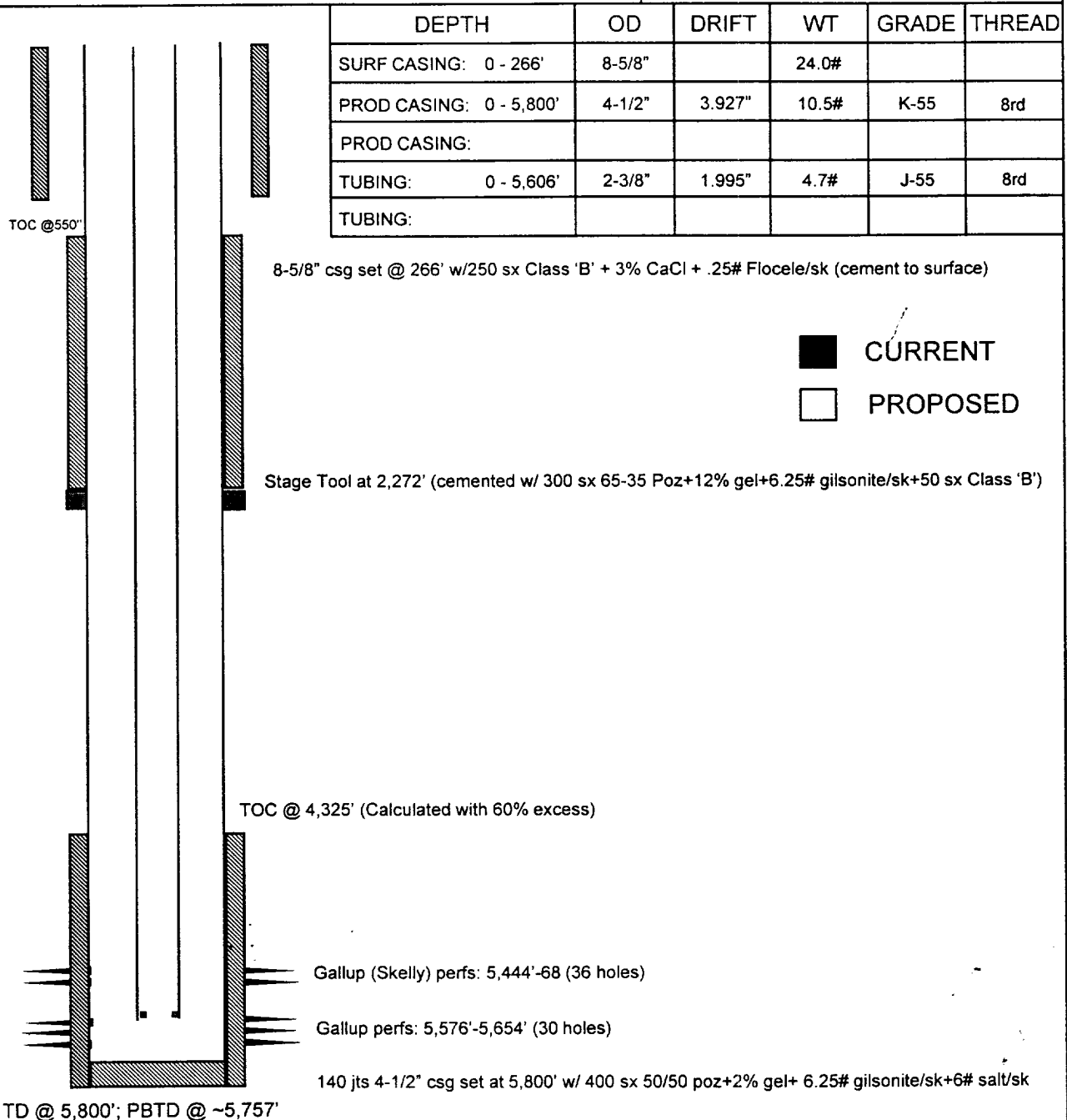
Well History

- 9-4-85** Spudded well. Drilled 12-1/4" surf hole. Set 8-5/8", 24#, csg at 266' and cmt'd w/ 250 sx Class 'B' + 3% CaCl + 1/4# flocele/sk.
- 9-12-85** Drilled 7-7/8" hole to 5,800' TD. Attempted to log well 2 times but could not get passed 560'. RIH w/ 5-1/2 jts casing to 2,095' and got logging tool down. Logged well from 5,800'.
- 9-13-85** Ran 140 jts 4-1/2" (10.5#-K-55) prod csg and set at 5,800' KB. Set stage tool at 2,272'. Cmt'd around shoe w/ 400 sx 50/50 Poz, 2% gel, 6.25# gilsonite/sk and 6#/sk salt. Cmt'd through stage tool w/ 300 sx 65-35 Poz + 12% gel + 6.25# gilsonite/sk + 50 sx Class "B" neat. TOC at 550'.
- 9-23-85** Drilled out stage tool and cleaned out 5,706'.
- 9-24-85** Ran GR-CLL from 5,250'-5,706'. Perf'd from 5,652-54', 5,642-50', 5,624-26', 5,614-18', and 5,576-90' (1JSPF, 30 holes). RIH w/ pkr on 2-3/8" tbg. Broke down 5,576-5,654' w/ 500 gals 15% HCL. POH w/ tbg.
- 9-25-85** Fraced down csg w/ 39,000 gals gelled oil and 90,000# 20/40 sd. SWI.
- 9-26-85** SICP 850 psi. Tagged sd at 5,636'. Cleaned out sd. RIH w/ SN, expendable ck, and 2-3/8" tbg. Set EOT at 5,582'.
- 1-6-87** POH w/ tbg. RIH and set RBP at 5,509. Perf'd Skelly zone from 5,444-55' and 5,463-68' (2 JSPF- 36 holes). RIH w/ pkr and tbg. Set at 5,468'. Broke down w/ 800 gals 15% HCL acid at 2,900 psi. Fraced w/ 32,200 gals gelled oil and 50,000# 20-40 sd at 22 BPM and 1,900 psi. Next day SITP 350 psi. Circ sd out from 5,484'-5,508'. Retrieved RBP. RIH w/ SN and 2-3/8" tbg. Set at 5,606'. Left well making 298 MCFD and 95 BOPD.

LOMAK PETROLEUM, INC.

WELLBORE SCHEMATIC

| | |
|---------------------------------|-----------------------------------|
| WELL NAME: MARCUS -A- #2 | FIELD: Counselors (Gallup-Dakota) |
| LOCATION: SEC 6G - T23N - R6W | COUNTY, ST: RIO ARRIBA, NM |
| ELEVATION: 6,983' GL; 6,995' KB | COMPLETION DATE: 9-26-85 |
| PREPARED BY: BLAINE STRIBLING | DATE: 5-8-97 |



LOMAK PETROLEUM, INC.

WELLBORE SCHEMATIC

WELL NAME: MARCUS -A- #2

FIELD: Counselors (Gallup-Dakota)

LOCATION: SEC 6G - T23N - R6W

COUNTY, ST: RIO ARRIBA CO., NM

ELEVATION: 6,983' GL; 6,995' KB

COMPLETION DATE: 9-26-85

PREPARED BY: BLAINE STRIBLING

DATE: 5-21-97

