

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

97 SEP - 2 PM 2:05

070 FARMINGTON, NM

1. Type of Well
GAS

Lease Number
SF-078430
If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES** OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. Well Name & Number
Nickson #22

9. API Well No.

30-045-25755

4. Location of Well, Footage, Sec., T, R, M

1852' FNL, 637' FEL, Sec. 14, T-26-N, R-8-W, NMPM

10. Field and Pool

Baca Gallup

11. County and State

San Juan Co, NM

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

Type of Submission

Type of Action

Notice of Intent

Abandonment

Change of Plans

Subsequent Report

Recompletion

New Construction

Final Abandonment

Plugging Back

Non-Routine Fracturing

Casing Repair

Water Shut off

Altering Casing

Conversion to Injection

Other -

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
SEP - 8 1997

OIL COAL DIV.
1997

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

Signed *Duane W. Spencer* (KM3) Title Regulatory Administrator Date 8/28/97

(This space for Federal or State Office use)

APPROVED BY */s/ Duane W. Spencer* Title _____ Date SEP - 4 1997

CONDITION OF APPROVAL, if any:

PLUG & ABANDONMENT PROCEDURE


8/27/97

Nickson #22
DPNO 32511A
Undesignated Gallup
1852' FNL & 637' FEL / NE, Section 14, T-26-N, R-8-W
San Juan 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, BLM, and Burlington safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. POH and tally 2-3/8" tubing (6408'); visually inspect the tubing. If necessary LD and PU 2" workstring. If necessary hot oil tubing to remove paraffin.
3. **Plug #1 (Greenhorn & Gallup perforations, 6496' - 6053')**: RIH with tubing and pump 50 bbls water. Mix 60 sxs Class B cement (20% excess, long plug) and spot a balanced plug inside casing to isolate the Greenhorn perforations, top and lower Gallup perforations. POH to 4800' and WOC. RIH and tag cement.
4. **Plug #2 (Gallup perforations and top, 6053' - 5470')**: Pump 30 bbls water and then mix 80 sxs Class B cement (adjust for where cement was tagged, 20 to 50 % excess), and spot a balanced plug inside casing to cover Gallup top. POH to 4400' and WOC. RIH and tag cement. Pressure test casing to 500#. POH with tubing.
5. **Plug #3 (Mesaverde top, 3780' - 3680')**: Perforate 3 HSC squeeze holes at 3780'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 3730'. Establish rate into squeeze holes. Mix 46 sxs Class B cement, squeeze 29 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover Mesaverde top. POH to 2240'.
6. **Plug #4 (Pictured Cliffs and Fruitland tops, 2240' - 1795')**: Mix 56 sxs Class B cement and spot a balanced plug inside casing to cover Pictured Cliffs and Fruitland tops. POH to 1570'.
7. **Plug #5 (Kirtland and Ojo Alamo tops, 1570' - 1250')**: Mix 50 sxs Class B cement and spot a balanced plug inside casing to cover Ojo Alamo and Kirtland tops. POH to 373'.
8. **Plug #6 (8-5/8" Casing Shoe at 323')**: Attempt to pump into bradenhead valve. If bradenhead holds pressure then establish circulation out casing valve. Mix and pump approximately 42 sxs Class B cement from 373' to surface, circulate good cement out casing valve. POH and LD tubing. If able to establish rate into bradenhead, then perforate at 373' and circulate cement. WOC.
9. BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:

 8/27/97
Operations Engineer

Approval:

Drilling Superintendent

Concur:

Production Supervisor

Nickson #22

Current

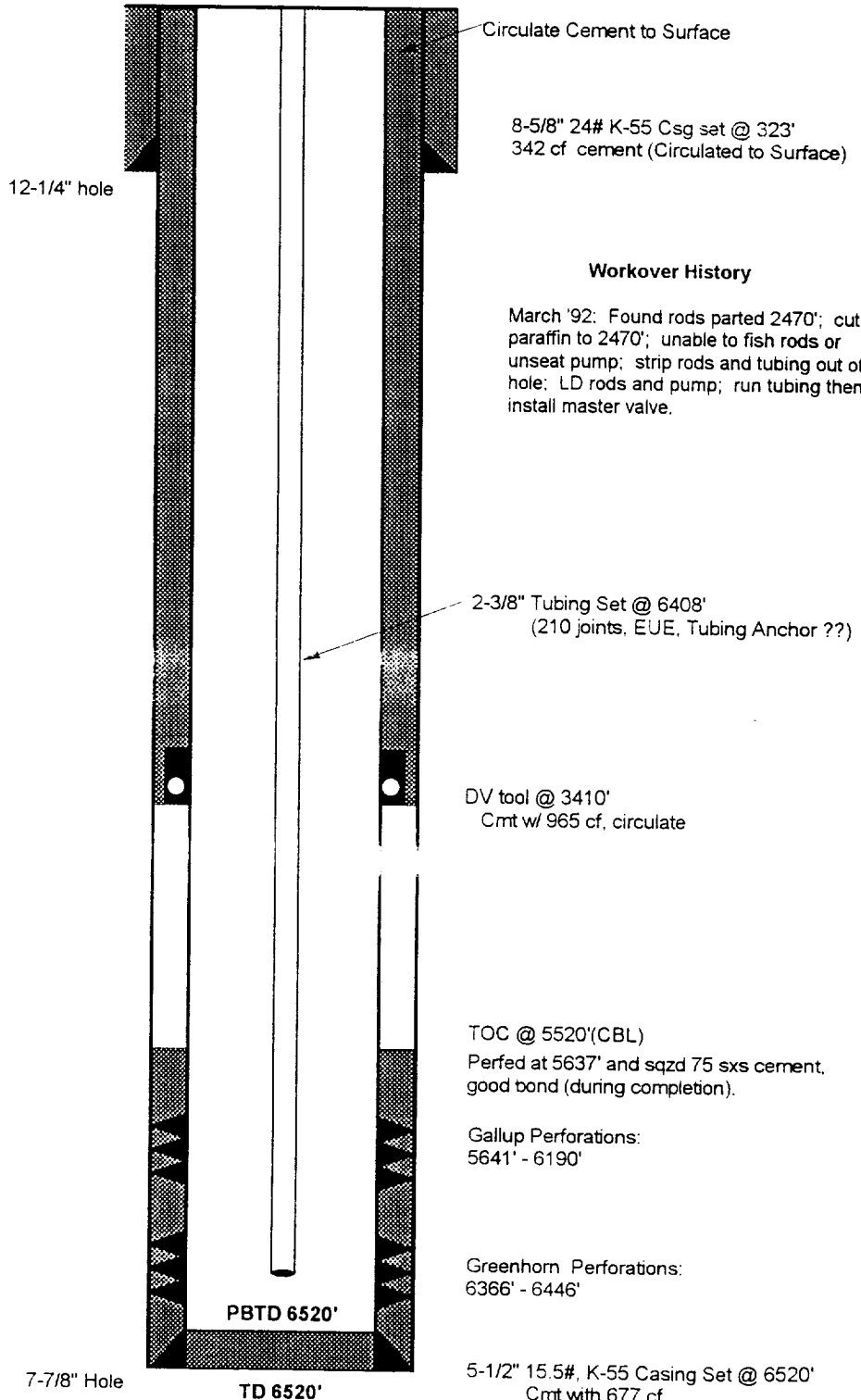
DPNO 32511A

Undesignated Gallup

NE, Section 14, T-26-N, R-8-W, San Juan County, NM

Lat/Long.: 36°29.32", 107°38.71"

Today's Date: 7/7/97
Spud: 9/15/83
Completed: 11/8/83
Elevation: 6300' (GL)
6312' (KB)
Logs: FDC/CNL/GR;
I-SFL-GR; CBL



Ojo Alamo @ 1300'

Kirtland @ 1520'

Fruitland @ 1845'

Pictured Cliffs @ 2190'

Mesaverde @ 3730'

Gallup @ 5520'

Greenhorn @ 6395'

2-3/8" Tubing Set @ 6408'
(210 joints, EUE, Tubing Anchor ??)

DV tool @ 3410'
Cmt w/ 965 cf, circulate

TOC @ 5520'(CBL)
Perfed at 5637' and sqzd 75 sxs cement, good bond (during completion).

Gallup Perforations:
5641' - 6190'

Greenhorn Perforations:
6366' - 6446'

5-1/2" 15.5# K-55 Casing Set @ 6520'
Cmt with 677 cf

Note: Shot squeeze holes and cemented 4 times to improve bond over Greenhorn and Gallup zones.

Nickson #22

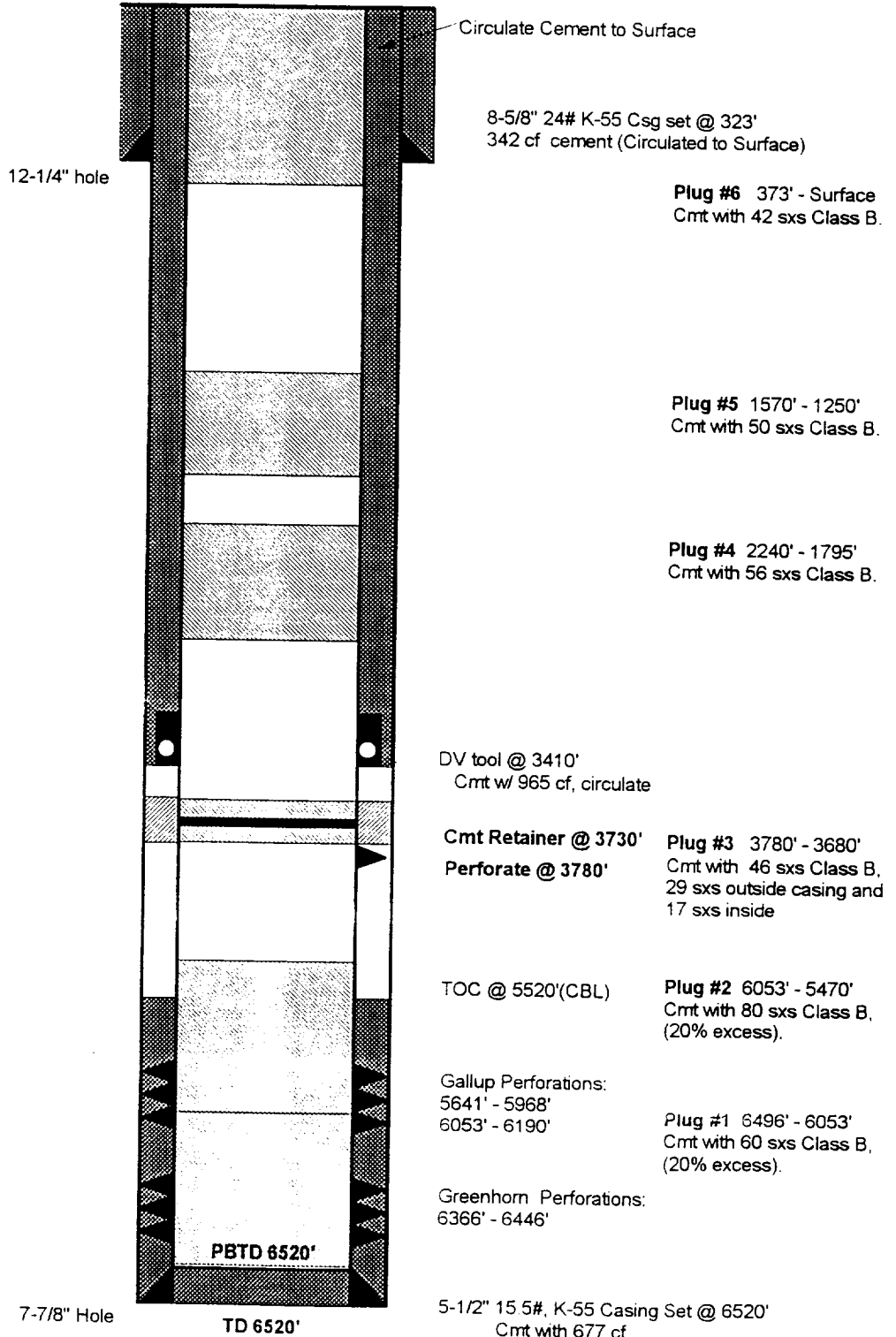
Proposed P&A

DPNO 32511A

Undesignated Gallup

NE, Section 14, T-26-N, R-8-W, San Juan County, NM
 Lat/Long.: 36°29.32", 107°38.71"

Today's Date: 7/7/97
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Circulate Cement to Surface

8-5/8" 24# K-55 Csg set @ 323'
 342 cf cement (Circulated to Surface)

Plug #6 373' - Surface
 Cmt with 42 sxs Class B.

Plug #5 1570' - 1250'
 Cmt with 50 sxs Class B.

Plug #4 2240' - 1795'
 Cmt with 56 sxs Class B.

DV tool @ 3410'
 Cmt w/ 965 cf, circulate

Cmt Retainer @ 3730' **Plug #3** 3780' - 3680'
Perforate @ 3780' Cmt with 46 sxs Class B,
 29 sxs outside casing and
 17 sxs inside

TOC @ 5520'(CBL) **Plug #2** 6053' - 5470'
 Cmt with 80 sxs Class B,
 (20% excess).

Gallup Perforations:
 5641' - 5968'
 6053' - 6190'
Plug #1 6496' - 6053'
 Cmt with 60 sxs Class B,
 (20% excess).

Greenhorn Perforations:
 6366' - 6446'

5-1/2" 15.5# K-55 Casing Set @ 6520'
 Cmt with 677 cf

Note: Shot squeeze holes and cemented 4 times to improve bond over Greenhorn and Gallup zones.

Ojo Alamo @ 1300'

Kirtland @ 1520'

Fruitland @ 1845'

Pictured Cliffs @ 2190'

Mesaverde @ 3730'

Gallup @ 5520'

Greenhorn @ 6395'

12-1/4" hole

7-7/8" Hole

PBTD 6520'

TD 6520'