

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
Carl Brown

3. Address & Phone No. of Operator
5708 Country Club Drive, Farmington, NM, 87402

4. Location of Well, Footage, Sec., T, R, M
2100' FSL, 1670', Sec. 29, T-30-N, R-12-W, San Juan County

API # (assigned by OCD)
30-045-009176
5. Lease Number
Fee
6. State Oil&Gas Lease #
7. Lease Name/Unit Name
Waggoner
8. Well No.
#1
9. Pool Name or Wildcat
Fulcher-Kutz PC
10. Elevation:
5542'

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

Carl Brown proposes to plug and abandon this well starting May 24, 2003 per the attached plugging procedure.

SIGNATURE

Name

Title

May 23, 2003

(This space for State Use)

Approved by

Title

Date

MAY 27 2003

PLUG AND ABANDONMENT PROCEDURE

May 23, 2003

Waggoner #1

Pictured Cliffs

2100' FSL & 1670' FWL, (K) Section 29, T30N, R12W

San Juan County, New Mexico

API #30-045-09176

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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 and BLM 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 with 1" tubing and LD. Prepare a 2-3/8" tubing workstring. PU a 5-1/2" casing scraper and round trip to 1600' or as deep as possible.
3. **Plug #1 (Pictured Cliffs open hole interval and top, 1652' – 1300')**: TIH and set a 5-1/2" cement retainer at 1560'. Pressure test tubing to 1000#. 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 and pump 70 sxs cement, squeeze 40 sxs below the CR and spot 30 inside the casing above the CR to isolate the PC open hole interval. PUH and WOC. TIH and tag cement. TOH with tubing.
4. **Plug #2 (Fruitland top, 1164' – 1054')**: Perforate 3 squeeze holes at 1164'. If casing pressure tested, establish rate into squeeze holes. Set a 5-1/2" CR at 1114'. Mix and pump 48 sxs cement, squeeze 31 sxs outside 5-1/2" casing and leave 17 sxs inside to cover the Fruitland top. TOH.
5. **Plug #3 (Water sands, 1007' – 840')**: Perforate 3 squeeze holes at 1007'. If casing pressure tested, establish rate into squeeze holes. Set a 5-1/2" CR at 950'. Mix and pump 133 sxs cement, squeeze 108 sxs outside 5-1/2" casing and leave 25 sxs inside to cover the water sands. TOH.
6. **Plug #4 (Sand with gas show, 551' – 451')**: Perforate 3 squeeze holes at 551'. If casing pressure tested, establish rate into squeeze holes. Set 5-1/2" CR at 501'. Mix and pump 128 sxs cement, squeeze 111 sxs outside 5-1/2" casing and leave 17 sxs inside to cover the sand with gas show. TOH & LD tbg.

PLUG AND ABANDONMENT PROCEDURE

May 23, 2003

Waggoner #1

Pictured Cliffs

2100' FSL & 1670' FWL, (K) Section 29, T30N, R12W

San Juan County, New Mexico

API #30-045-09176

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Option A:

7. RD rig an equipment and MOL. Clean up location with backhoe and re-install chain link fence. Install a steel cap/funnel over the 5-1/2" casing and monitor it for gas flow. When gas is no longer present, move rig back on location and proceed to step 8.

Option B:

Continue plugging the surface.

8. **Plug # (Kirtland and surface plug, 354' – Surface):** Perforate 3 squeeze holes at 354'. Establish circulation out bradenhead (to surface with water). Mix approximately 300 sxs cement and pump down the 5-1/2" casing to circulate cement to surface. Shut well in and WOC.
9. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Waggoner #1

Current

Pictured Cliffs

API #30-045-09176

2100' FSL & 1670' FWL, Section 29, T-30-N, R-12-W, San Juan County, NM

Today's Date: 5/23/03

Spud: 6/3/46

Completed: 10/25/46

Elevation: 5542' GL

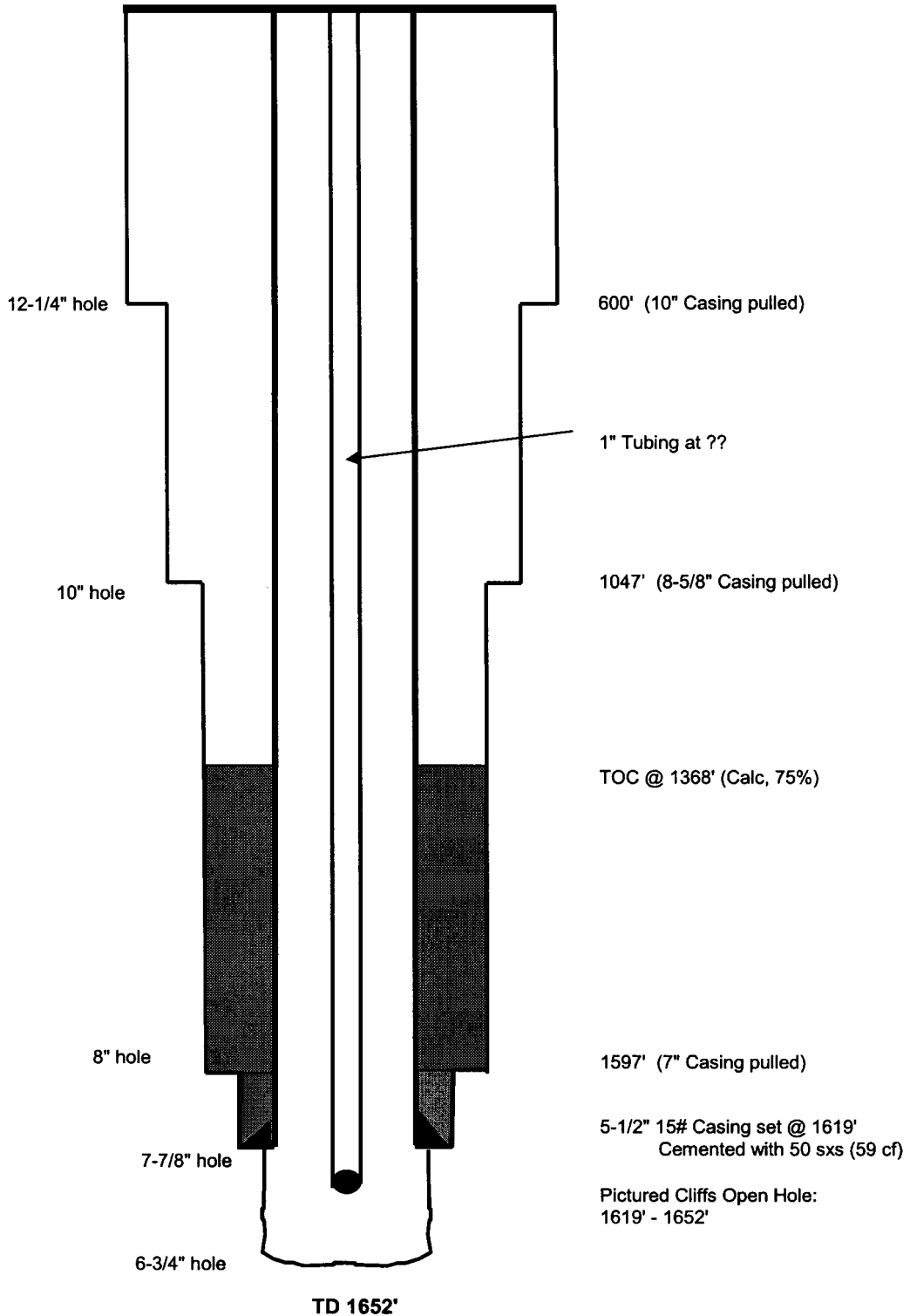
Kirtland @ 304'

Gas Sand @ 501'

Water Sands from
890' to 1007'

Fruitland @ 1114'

Pictured Cliffs @ 1619'



Waggoner #1

Proposed P&A

Pictured Cliffs

API #30-045-09176

2100' FSL & 1670' FWL, Section 29, T-30-N, R-12-W, San Juan County, NM

Today's Date: 5/23/03

Spud: 6/3/46

Completed: 10/25/46

Elevation: 5542' GL

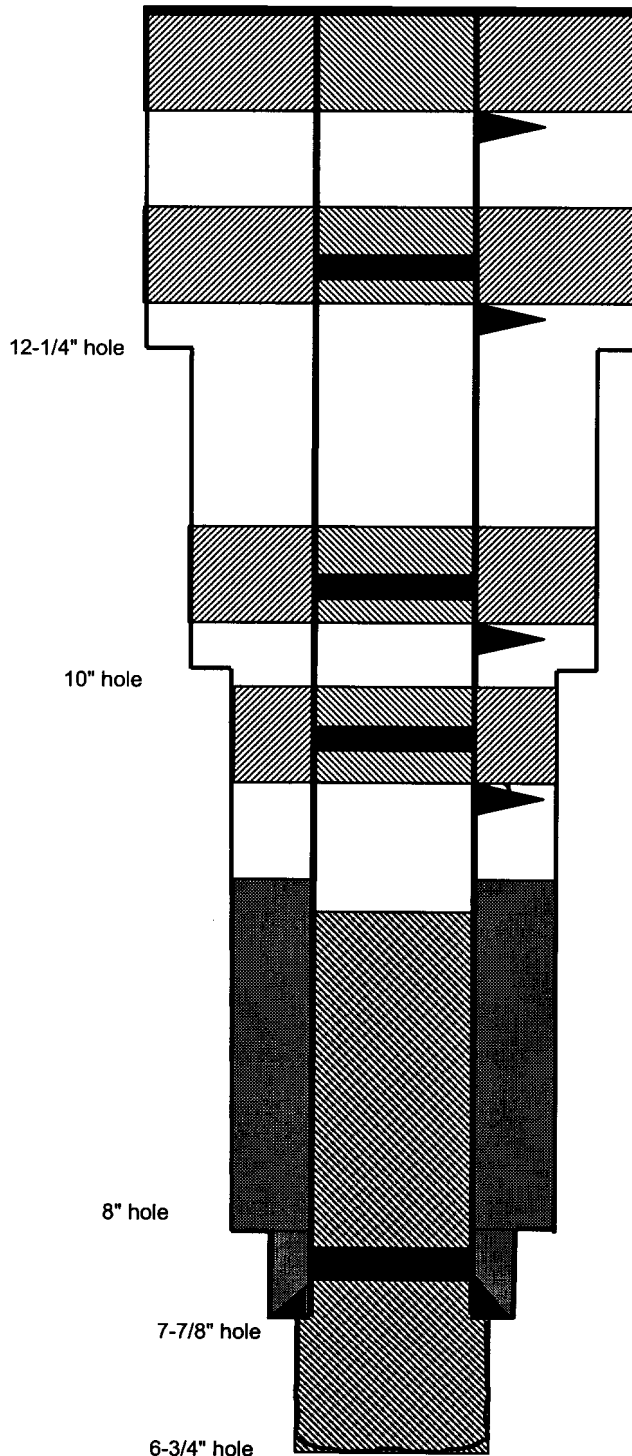
Kirtland @ 304'

Gas Sand @ 501'

Water Sands from
890' to 1007'

Fruitland @ 1114'

Pictured Cliffs @ 1619'



Perforate @ 354'

Set Cement Rt @ 501'
Perforate @ 551'

600' (10" Casing pulled)

Set Cement Rt @ 950'
Perforate @ 1007'

1047' (8-5/8" Casing pulled)

Set Cement Rt @ 1114'
Perforate @ 1164'

TOC @ 1368' (Calc, 75%)

Set Cement Rt @ 1560'

1597' (7" Casing pulled)

5-1/2" 15# Casing set @ 1619'
Cemented with 50 sxs (59 cf)

Pictured Cliffs Open Hole:
1619' - 1652'

Plug #5 354' - Surface
Cement with
approximately 300 sxs

Plug #4 551' - 451'
Cement with 128 sxs,
111 sxs outside casing
and 17 sxs inside.

Plug #3 1007' - 840'
Cement with 133 sxs,
108 sxs outside casing
and 25 sxs inside.

Plug #2 1164' - 1064'
Cement with 48 sxs,
31 sxs outside casing
and 17 sxs inside.

Plug #1 1652' - 1300'
Cement with 70 sxs,
40 sxs below CR and
30 sxs above.

TD 1652'