

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

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

5. Lease Designation and Serial No.

NMSF 078094

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. Fullerton
Federal #4 (PC)

9. API Well No.

30-045-06555

10. Field and Pool, or Exploratory Area

West Kutz, 79680

11. County or Parish, State

San Juan Co., NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

ofc 5053274573

Contact: Mike Pippincell 5053300495

2. Name of Operator

MARKWEST RESOURCES, INC.

3. Address and Telephone No.

155 Inverness Dr. West, #200, Englewood CO 80112-5000

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

1060' FNL, 1060' FWL

Sec 14-Twp 27N-Rge 11W, San Juan Co., NM
NMPM

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 P&A Procedure

☐ 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 depth.)

All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement is ASTM Type II, mixed at 15.6ppg with a yield of 1.18 cf/sx.

1. Install and/or test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and MarkWest safety rules and regulations. Conduct a safety meeting for all personnel. MOL and RUSU. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.

2. TOH and tally 2-1/16" tubing (1988'); visually inspect. If necessary LD tubing and PU workstring.

3. Plug #1 (Pictured Cliffs open hole, 5-1/2" casing shoe, 3-1/2" liner top and Fruitland top, 2100' - 1628'): TIH and set a 5-1/2" cement retainer at 1808'. Pressure test the tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 500#, if casing does not test then spot or tag subsequent plugs as necessary. Mix and pump 95 sxs cement, squeeze 68 sxs below the CR to fill the Pictured Cliffs open hole, to cover the 5-1/2" casing shoe, to cover the 3-1/2" liner top and then spot 27 sxs above to cover the Fruitland top. TOH with tubing.

4. Plug #3 (Kirtland and Ojo Alamo tops, 1055' - 860'): Perforate 3 HSC squeeze holes at 1055'. Establish rate into squeeze holes if casing tested. Set 5-1/2" CR at 1005'. Mix 113 sxs cement, squeeze 84 sxs outside 5-1/2" casing and leave 29 sxs inside casing to cover Kirtland and Ojo Alamo tops. TOH and LD casing.

5. Plug #3 (9-5/8" Casing Shoe, 155' - Surface): Perforate 3 HSC squeeze holes at 155'. Establish circulation out bradenhead valve with water. Mix and pump approximately 75 sxs cement down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.

6. 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. Backfill pit and clean up location.

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

Signed Ewa W. Baker

Title Prod. Tech

Date 9-20-01

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date 11/6/01

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**

NMOCD

Fullerton Federal #4

Current

West Kutz Pictured Cliffs

NW Section 14, T-27-N, R-11-W, San Juan County, NM

Today's Date: 09/20/01
Spud: 2/13/56
Completed: 4/18/56
Elevation: 6218' GL

13-3/4" hole

9-5/8" 32.3# H-40 Csg set @ 105'
Cement w/90 sxs (Circulated to Surface)

Well History

Feb '97: Recovered 1895' 1" tbg, landed 2-3/8" tubing at 1950'. Swab well dry, no gas.

Dec '98: MIRU. TOH with 2-3/8" tubing, recover 56' 1" tbg, left 1' in hole. RIH with 4-3/4" blade mill and C/O to 1995', drill new hole to 2100', set retrievable packer at 1890', P/T to 3000#, frac 1957' - 2100', TOH with packer, RIH with bit and C/O fill, drill additional 15' to 2115', ran 3-1/2" perforated liner with top, 1858' to 2112', land 2-1/16" production tubing at 1988', test well, tubing plugged with sand, SI well. No production since workover.

Ojo Alamo @ 910'

Kirtland @ 1005'

Top of Cmt @ 1440' (T.S.)

2-1/16" Tubing set at 1988'
(I.J. 3.25#)

Fruitland @ 1678'

Liner Top at 1858'

8-3/4" Hole

5-1/2" 14#, J-55 Casing set @ 1957'
Cmt with 75 sxs

Pictured Cliffs @ 1975'

Pictured Cliffs Open Hole
from 1957' to 2100'

4-3/4" Hole

3-1/2" 9.3#, J-55 Perforated Liner
from 1858' to 2112',
Uncemented

TD 2112'

Fullerton Federal #4

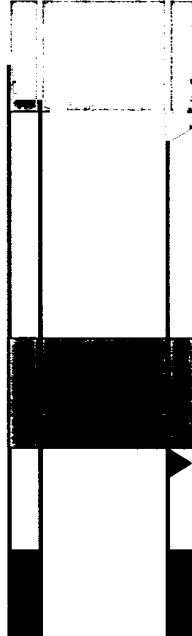
Proposed P&A

West Kutz Pictured Cliffs

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9-5/8" 32.3# H-40 Csg set @ 105'
Cement w/90 sxs (Circulated to Surface)

Perforate @ 155'

Plug #3 155' - Surface
Cmt with 75 sxs

Ojo Alamo @ 910'

Kirtland @ 1005'

Cmt Retainer @ 1005'

Plug #2 1055' - 860'
Cmt with 113 sxs, 84 sxs
outside and 29 sxs inside

Perforate @ 1055'

Top of Cmt @ 1440' (T.S.)

Fruitland @ 1678'

Cmt Retainer @ 1808'

Plug #1 2100' - 1628'
Cement with 95 sxs,
68 sxs below CR
and 27 sxs above.

Liner Top at 1858'

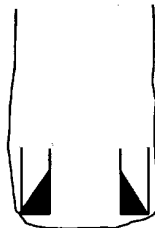
8-3/4" Hole

Pictured Cliffs @ 1975'

5-1/2" 14#, J-55 Casing set @ 1957'
Cmt with 75 sxs

Pictured Cliffs Open Hole
from 1857' to 2100'

4-3/4" Hole



TD 2112'

3-1/2" 9.3#, J-55 Perforated Liner
from 1858' to 2112',
Uncemented