

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

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.

5. Lease Designation and Serial No.  
NOG 8707-1145

6. If Indian, Allottee or Tribe Name  
Navajo

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Harken Southwest Corporation

3. Address and Telephone No.  
P. O. Box 612007, Dallas, TX 75261 (972) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Section 12-29N-19W  
900' FNL & 1650' FWL

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Rattlesnake 154

9. API Well No.  
30-045-08620

10. Field and Pool, or Exploratory Area  
Rattlesnake

11. County or Parish, State  
San Juan Co., 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

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.)

Harken Southwest Corporation (HSW) has determined that the subject well has meet its economic limit and there is no additional useful function for the wellbore. Therefore, attached please find the following information for your review and approval:

1. Current wellbore information
2. Diagram of current wellbore configuration
3. Plug and Abandonment Procedures
4. P&A'd wellbore diagram

Upon receipt of BLM approval, HSW will schedule permanent abandonment of this well during 1998. Should any questions arise, please contact Mr. Cottle or the undersigned at (972) 753-6900.

CC: State of Utah  
Navajo Nation - Minerals Dept  
BLM - Gallup, NM

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

Signed

Title Production Administrator

Date 06/08/98

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date JUL 15 1998

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

111000

**Rattlesnake #154**  
**900' FNL & 1650' FWL**  
**Section 12, T29N, R19W**  
**San Juan County, New Mexico**  
**April 6, 1998**

**Present Status:** SI – oil well

**Elevation:** 5378' GL

**Total Depth:** 974' PBTD: 954'

**Casing Program:** 9 5/8", 36#, Set @ 36' with 16 sxs cement  
 5 1/2", 14#, J-55, Set @ 974' with 200 sxs cement

**Open Hole:** 810'-814' 4JSPF

**Production Equipment:** 26 joints, 2 3/8" tubing, SN @ 792'  
 30 – 3/4" rods, 2 - 5/8" rods, 2 1/2" X 1.5" X 8' top hold down pump

**Casing and Tubing Detail**

Depth	Size (in.)	Wt. #/ft	Grade Thread	Burst (psi)	Collapse (psi)	Yield M#	Drift (in.)	Capacity (bbl/ft)
Surf 974'	5 1/2	14.0	J-55	4270	3120	172	4.887	0.0244
Surf 800'	2 3/8	4.7	J-55 EUE	7700	8100	71.7	1.901	0.00387

# WELL REPORT

COMPANY: Harken Southwest Corp  
WELL NAME: Rattlesnake #154

Present Configuration

SURFACE CSG. SET @ 36'

9 5/8", 36#, J-55 @ 165 1/2'

26 joints  
2 3/8" tbg

PERFS: 810' - 814' 4JS PF

PERFS: \_\_\_\_\_

PERFS: \_\_\_\_\_

PRODUCTION STRING CSG. SET @ 974  
5 1/2", 14#, J-55 @ 200 SXS

TUBING SET @ 802'

PLUG BACK TOTAL DEPTH: 954'

NOTES:

③ 3/4" x 25' rods

② 5/8" x 25' rods

2 1/2" x 1.5" x 8'

SN @ 792'

810'  
814'

EOT @ 802'

954'

TD 974

4/6/98

**PLUG AND ABANDONMENT**  
**Rattlesnake #154**  
**900' FNL & 1650' FWL**  
**Section 12, T29N, R19W**  
**San Juan County, New Mexico**

**P & A Procedure**

1. MIRU, hold safety meeting, blowdown well, ND horseshead, unseat pump.
2. POH with rods and pump. NU BOP's.
3. POH with 2 3/8" tubing. Remove SN. Install serrated collar.
4. RIH with 2 3/8" tubing, tag PBTD @ 954'.
5. Mix up 140 sxs (28 bbls) of Class 'B' cement and fill casing from PBTD @ 954' to surface (150% volume used for cement calculations).
6. W.O.C. 3 hours. RIH with 2 3/8" tubing to tag cement top. Fill to surface, if necessary. RD move out rig.
7. Cut casing 4' below surface. Weld on subsurface marker plate.
8. Reclaim location.

# WELL REPORT

COMPANY: Harken Southwest Corp

WELL NAME: Rattlesnake #154

Plug & Abandonment

SURFACE CSG. SET @ 36'

9 5/8", 36#, J-55 @ 16 SXS

## NOTES:

Subsurface marker @ 4' below  
Ground Level

PERFS: 810' - 814'

PERFS: \_\_\_\_\_

PERFS: \_\_\_\_\_

PRODUCTION STRING CSG. SET @ 974'  
5 1/2", 14.0#, J-55 @ 200 SXS

TUBING SET @ \_\_\_\_\_

PLUG BACK TOTAL DEPTH: Surface

Cement from PBTD to surface

810'  
814'

Dakota 'A' sand

954'

Dakota 'B' sand

TD 974

4/6/98 REC