

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

93 APR 24 AM 9:52

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

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Rattlesnake 152

9. API Well No.

30-045-08583

10. Field and Pool, or Exploratory Area

Rattlesnake Field

11. County or Parish, State

San Juan, NM

**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 75261-2007 (972) 753-6900

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

SE/NW Section 12-29N-19W /  
2275' FNL & 2240' FWL

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.)\*

Harken Southwest Corporation (HSW) personnel have concluded the evaluation of the subject wellbore. It has been determined that the subject well can not maintain economic production rates. Therefore, attached you will 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

RECEIVED  
MAY - 4 1998  
OIL CON. DIV.  
DIST. 3

Upon receipt of BLM approval, HSW will schedule the permanent abandonment of this well during the 3<sup>rd</sup> or 4<sup>th</sup> quarter of 1998. Should any questions arise, please feel free to contact Mr. Richard Cottle or the undersigned at (972) 753-6900.

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

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

Signed

*Rachelle Montgomery*

Production Administrator

Date 4/23/98

(This space for Federal or State office use)

Approved by */s/ Deane W. Spencer*  
Conditions of approval, if any:

Title

Date MAY - 1 1998

**Rattlesnake #152**  
**2275' FNL & 2240' FWL**  
**Section 12, T29N, R19W**  
**San Juan County, New Mexico**  
**April 2, 1998**

**Present Status:** SI – uneconomic oil well

**Elevation:** 5375' GL

**Total Depth:** 1007' **PBTD:** 880'

**Casing Program:** 9 5/8", 36#, J-55, Set @ 33' with 16 sxs cement  
 5 1/2", 14#, J-55, Set @ 1007' with 203 sxs cement

**Open Perforations:** 840' – 844'

**Shut-off Perforations:** 904'-916' – below CIBP @ 880'  
 930'-936' – below CIBP @ 923'

**Production Equipment:** 27 joints, 2 3/8" tubing, SN @ 820' (?)  
 32 - 5/8" rods, 2 1/2" X 2" X 12' bottom 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 1007'	5 1/2	14.0	J-55	4270	3120	172	4.887	0.0244
Surf 820'	2 3/8	4.7	J-55 EUE	7700	8100	71.7	1.901	0.00387

# WELL REPORT

COMPANY: Harken Southwest Corp

Present Configuration

WELL NAME: Rattlesnake # 152

SURFACE CSG. SET @ 33'  
9 5/8", 36 #, J-55 @ 16 sxs

27 joints  
2 3/8" Hsg

PERFS: 840' - 844' open

PERFS: 904' - 916' below CIBP

PERFS: 930' - 936' below CIBP

PRODUCTION STRING CSG. SET @ 1007'  
5 1/2", 14 #, J-55 @ 203 sxs

TUBING SET @ 820'

PLUG BACK TOTAL DEPTH: 880'

## NOTES:

Lufkin 25 PU  
no motor

(32) 5/8" rods

2 1/2" x 2' x 12' Bottom Hold down  
Pump

EOT, SN @ 817'

840'

844'

PBTD @ 846 10/63

CIBP @ 880' before 1963

904'

916'

CIBP @ 923' before 1963

930'

936'

TD 1007'

**PLUG AND ABANDONMENT**  
**Rattlesnake #152**  
**2275' FNL & 2240' 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 sand @ 846'.
5. Mix up 124 sxs (25 bbls) of Class 'B' cement and fill casing from PBTD @ 846' 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 of necessary. RD move out rig.
7. Cut casing 4' below surface. Weld of subsurface marker plate.
8. Reclaim location.

# WELL REPORT

COMPANY: Hanken Southwest Corp

WELL NAME: Rattlesnake #152

Plug & Abandonment

SURFACE CSG. SET @ 33'  
9 5/8", 36#, J-55 @ 16 SWS

cement from bottom  
to  
surface

PERFS: 840' - 844'

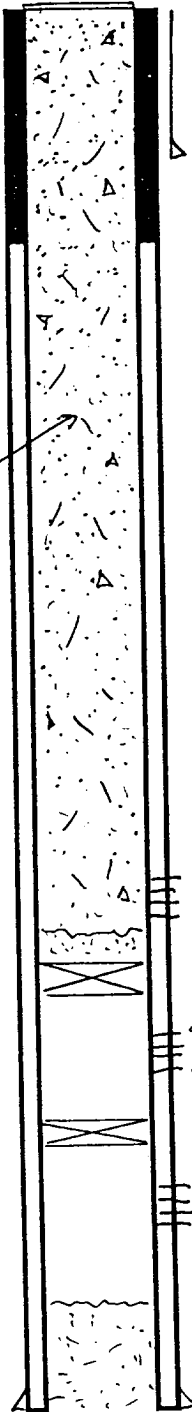
PERFS: 904' - 916'

PERFS: 930' - 936'

PRODUCTION STRING CSG. SET @ 1007'  
5 1/2", 14#, J-55 @ 203 SWS

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

PLUG BACK TOTAL DEPTH: Surface



## NOTES:

PTA subsurface member  
@ 4' below GL

DAKOTA 'A' perms

CIBP @ 880'

DAKOTA 'B' perms

CIBP @ 923'

DAKOTA 'C' perms

TD 1007'