

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 to enter a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

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, Texas 75261-2007 (972) 753-6900

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

N Section 12-29N-19W (SE/SW)  
940' FSL & 1653' FWL

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 #148

9. API Well No.

30-045-08505

10. Field and Pool, or Exploratory Area

Rattlesnake (Dakota)

11. County or Parish, State

San Juan, 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

(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 attempted to put the Rattlesnake 148 back on production on June 30, 1997. The well produced .66 bbls of crude, prior to experiencing engine failure. The well produced 15 days during July prior to going down again.

Currently the well is shut-in pending engineering evaluation to possibly clean-out fill material.

CC: Navajo Nation  
BIA - Gallup, NM

THIS APPROVAL EXPIRES APR 01 1998

RECEIVED  
SEP - 2 1997

OIL CON. DIV.

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

Signed

Title Production Administrator

Date 08/26/97

(This space for Federal or State Official Signature)

Approved by

Title

Date

Conditions of approval, if any:

AUG 29 1997

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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Budget Bureau No. 1004-0135  
Expires: March 31, 1993

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070 FARMINGTON, 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 (972) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Section 12-29N-19W (SE/SW)  
940' FSL & 1653' FWL

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

6. If Indian, Allottee or Tribe Name  
Navajo

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Rattlesnake 148

9. API Well No.  
30-045-08505

10. Field and Pool, or Exploratory Area  
Rattlesnake (Dakota)

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

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  
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☐ Altering Casing  
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- ☐ Change of Plans  
☐ New Construction  
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(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) has determined that the subject well has met 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

RECEIVED  
JUL 20 1998  
OIL CON. DIV.  
DIST. 3

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  
BIA - Gallup, NM

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

Signed: *Montgomery*  
(This space for Federal or State office use)  
/s/ Duane W. Spencer

Title: Production Administrator

Date: 6/8/98

Approved by:  
Conditions of approval, if any:

Title:

Date: JUL 15 1998

**Rattlesnake #148**  
**946' FSL & 1663' FEL**  
**Section 12, T29N, R19W**  
**San Juan County, New Mexico**  
**April 6, 1998**

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

**Elevation:** 5310' GL

**Total Depth:** 922' PBTD: 809'

**Casing Program:** 5 1/2", 14#, J-55, Set @ 932' with 200 sxs cement

**Perforations:** 818'-842'

**Production Equipment:** 24 joints, 2 3/8" tubing, SN @ 743'  
 29 - 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 922'	5 1/2	14.0	J-55	4270	3120	172	4.887	0.0244
Surf 743'	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 # 148

### Present Configuration

SURFACE CSG. SET @ NONE

**NOTES:**

29  $5/8'' \times 25'$  rods

$2\frac{1}{2} \times 2' \times 12'$  bottom hold down pump

24 jnts  
2 3/4 tlb

PERFS : 818' - 842' 4JSPF

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

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

SN @ 743'

EDT @ 744'

Sand @ 809'

PRODUCTION STRING CSG. SET @ 922'  
5 1/2, 14#, J-55 @ 200 SXS

TUBING SET @ 744'

PLUG BACK TOTAL DEPTH: 809'

TD 922'

4/6/48  
Roc

**PLUG AND ABANDONMENT**  
**Rattlesnake #148**  
**946' FSL & 1663' FEL**  
**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 @ 809'.
5. Mix up 120 sxs (24 bbls) of Class 'B' cement and fill casing from PBTD @ 809' 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 #148

Plugged & Abandoned  
Configuration

SURFACE CSG. SET @ none

NOTES:

Subsurface marker @ 4' below  
Gravel level

PERFS: 818' - 842'

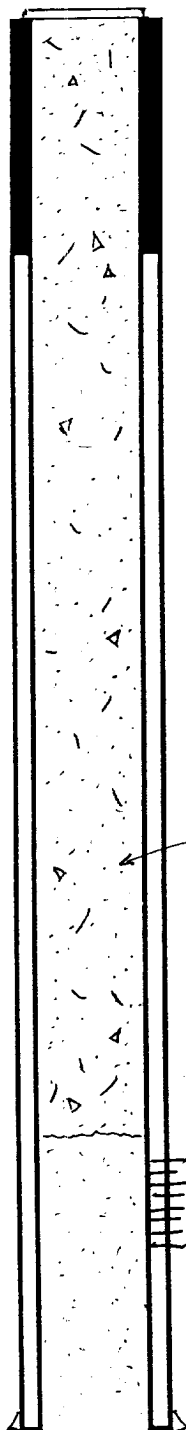
PERFS: \_\_\_\_\_

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

PRODUCTION STRING CSG. SET @ 922'  
5 1/2, 14#, J-55 @ 200 SXS

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

PLUG BACK TOTAL DEPTH: Surface



cement from PBTD to surface

Dakota 'A' sand

Dakota 'B' sand

Dakota 'C' sand

TD 922'

4/4/88

Rathlesna  
#148

00700

'A' TOP

Long 'A'  
TOP

'B' TOP

00800

Fill

848

96 holes

842

'C' TOP

00900

SP

TD 922

Resistivity

30 BOPD  
124 BOPD  
86% oil  
4.5 PP

Indicate  
conductivity