

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

SUBMIT IN TRIPLICATE

RECEIVED
OCT - 8 1995

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 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1695' FNL & 1980' FEL
Sec 13-30N-21W

5. Lease Designation and Serial No.
NOG 8707-1146

6. If Indian, Allottee or Tribe Name
Navajo

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
1 Beclabito 3

9. API Well No.
30-045-20165

10. Field and Pool, or Exploratory Area
Wildcat

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	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input type="checkbox"/> 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.)*

Attached please find the following information regarding the plugging and abandonment on the subject wellbore:

- Current Well Information
- Schematic of Current Wellbore Configuration
- Abandonment Procedures
- Schematic of Proposed P&A Configuration

Harken will permanently abandon the wellbore during the 1995 P&A program, scheduled to be completed prior to December 31, 1995. Location reclamation and reseeding will take place during 1996.

Should any questions arise, please contact Mr. Richard Cottle at our Farmington Office (505) 327-5531 or the undersigned at the address/telephone number above.

CC: Navajo Nation - Minerals Dept
Bureau of Indian Affairs - Gallup, NM

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

Signed Montgomery Title Production Administrator Date 09/18/95

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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

OCT 04 1995
DISTRICT MANAGER

PLUG and ABANDONMENT
No. 1 Beclabito 3
1695' FNL, 1980' FEL, Sec 13, T30N, R21W
San Juan County, New Mexico
September 12, 1995

Present Status: Shut-In Gas Well

Elevation: 5460' GL Reference Elevation: 5474' KB

Total Depht: 5106' MD PBTD: 2000' KB Top of 4 1/2" Liner

Casing Program: 13 3/8", 48#, Conductor @ 50' to surface w/60 sacks
 9 5/8", 36#, Surface csg @ 652' to surface w/500 sacks
 7 5/8", 26.4#, Intermediate csg @ 2059' to surface w/300 sacks
 4 1/2", 10.5#, Liner @ 4100' to 2000' w/254 sacks, This string cemented off.

Production Equipment: 7 5/8" X 2 7/8" CT Production Packer @ 1038' KB on 2 7/8" tubing.

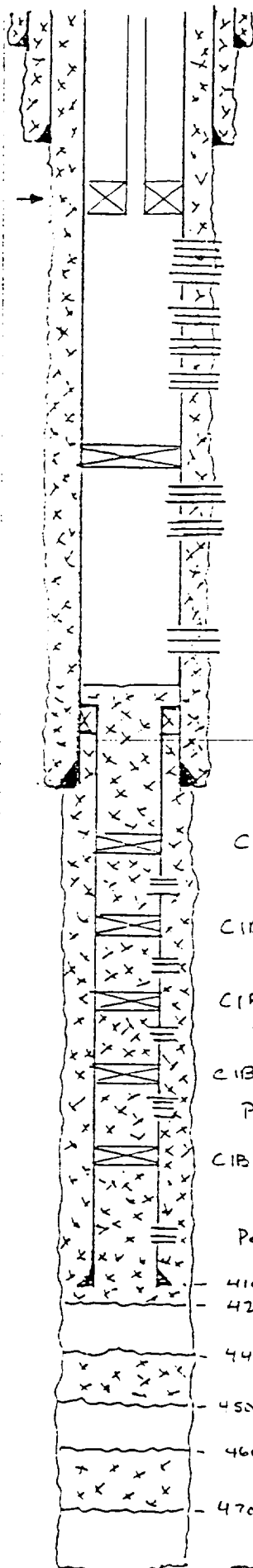
Casing and Tubing Detail

Depth	Size (in)	Wt. #/ft	Grade Thread	Burst (psi)	Collapse (psi)	Yield M#	Drift (in)	Capacity (bbls/ft)
Surf 2059'	7 5/8"	26.4	K-55 STC	4140	2890	581	6.844	0.0471
Surf 1038'	2 7/8"	6.5	J-55 EUE	7260	7680	99.7	2.347	0.00579

Present Well Bore Configuration

7 5/8" x 2 3/8"
IT Prod Packer
@ 1038'

50 SHEETS
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



← 13 3/8", 48#, Conductor
Set @ 50' @ 600 sks cmt
circulated to surface

← 9 5/8", 36#, Surface csg
Set @ 692' @ 500 sks cmt
circulated to surface

Perfs 1146'-1160', 4 JSPF
1160'-1172', 2 JSPF

Perfs 1194'-1196', 2 JSPF

Perfs 1202'-1208', 2 JSPF

Perfs 1225'-1234', 2 JSPF

Cmt Retainer @ 1571'

Perfs 1611'-1619', 2 JSPF

Perfs 1628'-1645'

Perfs 1868'-1882', 4 JSPF New
1868'-1878' old

← Line Top @ 2000'

← 7 5/8", 26.40#, Intermediate csg
Set @ 2059' @ 300 sks cmt
circulated to surface

CIBP @ 2160'

Perfs 3546'-3550'

CIBP @ 3700'

Perfs 3740'-3750' & 3756'-3761'

CIBP @ 3794'

Perfs 3815'-3819'

CIBP @ 3863'

Perfs 3888'-3892'

CIBP @ 3960'

Perfs 4020'-4025'

4100' 50 sk cmt plug ← 4 1/2", 10.5#, Production Liner
4250' Set @ 4100' @ 254 sks cmt

4400'

25 sk cmt plug

4500'

4600'

25 sk cmt plug

4700'

TD 5106'

No. 1 Beclabito 3 Plug and Abandonment
1695' FNL, 1980' FEL, Sec 13, T30N, R21W
San Juan County, New Mexico
NOG-8707-1146
9/12/95 ROC

P & A Procedures

1. MIRU, Blow Down, hold safety meeting, ND wellhead, NU BOPs.
2. Unset CT production packer @ 1038', POH with tubing and packer.
3. Pick up cement retainer setting tool, RIH on 2 7/8" tbg, latch onto cement retainer @ 1571', Sting into retainer to establish circulation. Unsting from retainer.
4. Mix up and circulate, Plug #1, 150 sacks (30 bbl) of Class "B" cement to the end of the tubing, sting into cmt retainer, pump cement thru retainer to squeeze Cutler perforations @ 1868'- 1882', 1868'-1878', 1628'-1645' and 1611'-1619'.
5. POH w tbg and setting tool. PU second cement retainer and RIH on setting tool and tbg to 1130'. Set retainer.
6. Mix up and circulate Plug #2, 155 sacks (31 bbl) of Class "B" cement to the end of the tubing, sting into cmt retainer, pump cement thru retainer to squeeze Dechelly perforations @ 1225'-1234', 1202'-1208', 1194'-1196', 1160'-1172' and 1146'-1160'.
7. POH w tbg and setting tool. PU third cement retainer and RIH on setting tool and tbg to 1130'. Set retainer.
8. Pull off retainer and circulate 39 Bbls of 9.0 lb/gal mud from 1130' to 300'. POH w tbg and setting tool. Lay down setting tool.
9. RIH w open-ended tbg to 300'. Mix up and circulate, Plug #3, 75 sacks (14 bbl) of Class "B" cement to surface while pulling out of the hole.
10. ND BOPs, cut off wellhead flange and csg 4' below ground level and install P&A surface marker.
11. Restore location.

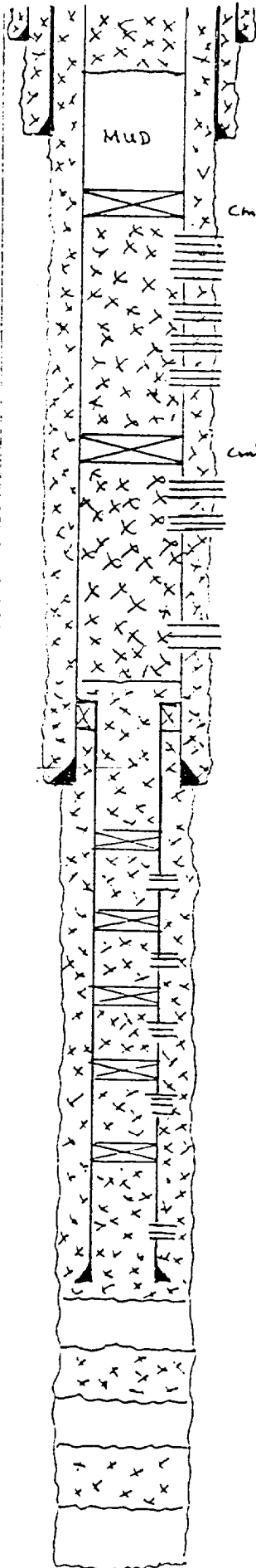
TOTAL CEMENT:

Plug#1	150 sacks	(50% excess)
Plug#2	155 sacks	(50% excess)
Plug#3	75 sacks	to surface

TOTAL 380 sacks

HARKEN SOUTHWEST CORPORATION

Proposed P+A Configuration



Plug #3 300' to surface
75 sacks

Mud 1130' to 300'
39 Bbl

Cmt Ret @ 1130'

Plug #2 1571' to 1130'
155 sacks
50% excess

Cmt Ret @ 1571'

Plug #1 2000' to 1571'
150 sacks
50% excess