

N.M. OIL CONS. COMMISSION

Form 3150-3
(November 1983)
(formerly 9-331C)

P.O. BOX 191

HOBBS, NEW MEXICO 88240

SUBMIT IN DUPLICATE
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

AMERADA HESS CORP. ATTN: KEN WHITE

3. ADDRESS OF OPERATOR

P.O. BOX 2040: HOUSTON, TEXAS 77252-2040

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1100' FSL & 1500' FWL SEC. 5.

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

37 MILES SOUTHWEST EUNICE, NM

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

1100'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NONE

16. NO. OF ACRES IN LEASE

634.55

19. PROPOSED DEPTH

17,700'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3442.7

Caption Controlled Water Basin

22. APPROX. DATE WORK WILL START*

8-31-94

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	900"	2100 SX (CIRC TO SURFACE)
17-1/2"	13-3/8"	61#	4,800'	2700 SX (CIRC TO SURFACE)
12-1/4"	9-5/8"	53.5#	12,000'	450 SX
8-1/2"	7-5/8" LINER	39#	14,300'	300 SX
6-1/2"	5" LINER	18#	17,700'	300 SX

SEE
STIPS.

OPER. OGRID NO. 495

PROPERTY NO. 15703

POOL CODE 96063

EFF. DATE 9-21-94

API NO. 30-D25-32672

ATTACHED EXHIBITS:

- A. LOCATION AND ELEVATION PLAT
- B. ACCESS ROAD TOPO MAP
- C. 8 POINT DRILLING PLAN
- D. 13 POINT SURFACE USE PLAN
- E. PLAT OF EXISTING WELLS
- F. RIG LAYOUT
- G. BOP, CHOKE MANIFOLD & CLOSING UNIT

Approval Subject to
General Requirements and
Special Stipulations
Attached

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

KW White

TITLE

ADM. SUPVSR. DRLG. SVS.

DATE

8-11-94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

K. Mary Bowers

TITLE

AREA MANAGER

DATE

9/9/94

CONDITIONS OF APPROVAL, IF ANY:

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*See Instructions On Reverse Side

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.

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District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code		Pool Name	
				ELLENBURGER (WILDCAT)	
Property Code	Property Name			Well Number	
	North Bell Lake			2	
OGRID No.	Operator Name			Elevation	
000495	Amerada Hess Corporation			3442.7	

10 Surface Location

TL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	5	23 S	34 E		1100	SOUTH	1500	WEST	LEA

11 Bottom Hole Location If Different From Surface

TL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

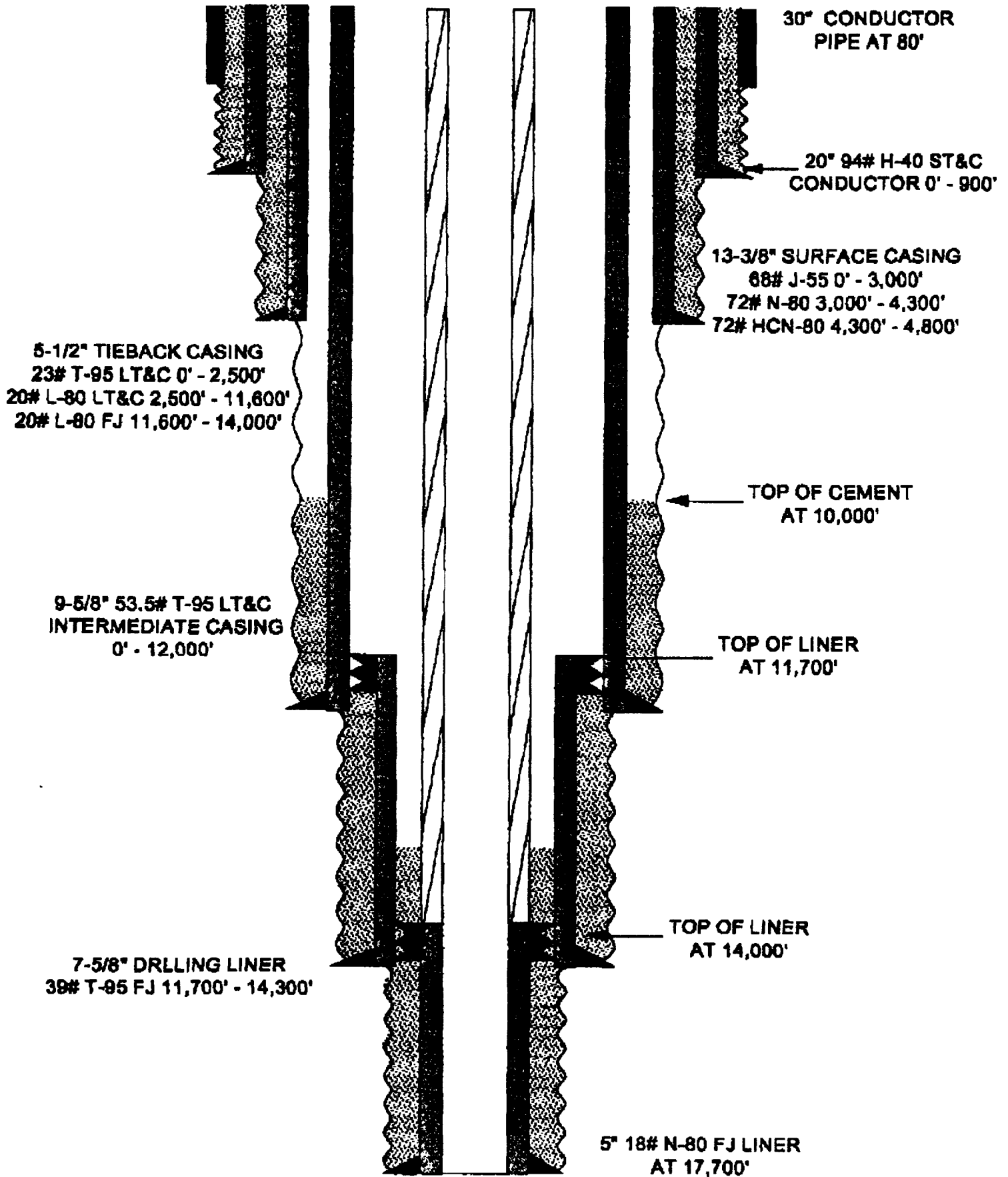
12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160320	N	P	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div data-bbox="123 1102 1088 2072"> <p>16</p> </div>	<div data-bbox="1088 1102 1581 2072"> <p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Ken White</i> Signature KEN WHITE Printed Name SUPVSR DRLG SVS Title 08-04-94 Date</p> <p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>JULY 6, 1994 Date of Survey</p> <p><i>Need B. King</i> Signature and Seal of Professional Surveyor</p> <p>6541 Certificate Number</p> </div>
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NORTH BELL LAKE UNIT #2 WELLBORE SCHEMATIC



STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

The undersigned accepts all applicable terms, condition, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

LEASE NO.: NM - 0587

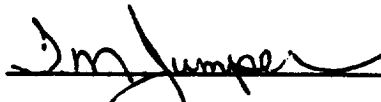
LEGAL DESCRIPTION: N. BELL LAKE FEDERAL

FORMATION(S):	1. Bone Spring	8,370'	Oil
	2. Morrow	12,940'	Gas
	3. Devonian	14,405'	Gas Primary
	4. Ellen Burger	17,215'	Gas Secondary

BOND COVERAGE: Nationwide

BLM BOND FILE NO. 75-73-75

AUTHORIZED SIGNATURE:



TITLE: Adm. Supervisor, Drilling Services

DATE: 08-19-94

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DRILLING PROGRAM

COMPANY: AMERADA HESS CORPORATION
WELL: N. BELL LAKE FEDERAL #2
WELL LOCATION: 1100' FSL & 1500' FWL - SEC 5.

1. Estimated tops of important geologic markers:

A. Dewey Lake (Permian)	400'
B. Delmar LS	4,870'
C. Bone Spring	8,370'
D. Wolfcamp	11,228'
E. L. Strawn	11,725'
F. Morrow	12,940'
G. Woodford	14,235'
H. Devonian	14,405'
I. Fusselman	15,485'
J. Montoya	15,805'
K. Simpson	16,417'
L. Ellenburger	17,215'
M. T.D.	17,700'

2. Estimated depths of anticipated water, oil, gas or other mineral bearing formations that are expected to be encountered:

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
A. Bone Spring	8,370'	Oil
B. Morrow	12,940'	Gas
C. Devonian	14,405'	Gas Primary
D. Ellenburger	17,215'	Gas Secondary

3. Proposed casing and cementing program is listed on Form 3160-3.

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4. The operator's minimum specifications for pressure:

Operator's minimum specification for pressure control, Exhibit G & H, is a schematic diagram of the BOP stack. The BOP's will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Also, the BOP's will be tested to the required working pressure each 14 drilling days. Pipe rams will be operationally checked each 24 hour period and blind rams with annular preventers each time pipe is pulled out of hole. Accessories to the BOP's include an upper and lower kelly cock, floor safety valve, remote safety valve, accumulator, (Exhibit F) drill string and choke manifold (Exhibit E) with pressure rating equivalent to the BOP stack.

5. The type and characteristics of the proposed circulating muds:

A. Mud Characteristics

<u>Depth</u>	<u>Mud Type</u>	<u>Weight Lbs/Gal</u>	<u>WL</u>	<u>Weighting Material</u>
0'-900'	Native			None
900'-4,800'	Brine	10-10.2		None
4,800'-12,000'	Cut Brine	9-10		None
12,000'-14,300'	Weighted	12-14		None
14,300'-17,700'	Fresh Water Mud	8.5-9.0	< 6cc	

B. Mud Quantities

Adequate mud will be stored on location to handle any emergency.

6. The auxiliary equipment to be used:

- A. A kelly valve will be kept in string at all times.
- B. A float will not be used.
- C. A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.
- D. A flow sensor will be in use to monitor circulating mud volumes.

7. The Testing, Logging and Coring programs to be followed:

A. Drill Stem Tests:

All significant shows may be evaluated with a DST at the discretion of the AHC wellsite geologist in coordination with Drilling Services and Formation Evaluation Personnel. DST's are anticipated in the Devonian and Ellenburger intervals.

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DRILLING PROGRAM
N. BELL LAKE FEDERAL #2
PAGE THREE

B. Cores:

All significant shows may be cored at the discretion of AHC wellsite geologist and Drilling Service Personnel.

C. Well Log Program:

12,000'-4,800' PHASOR IND/BHC/GR/SP/CAL
12,000'-4,800' LDT/CNL/GR/CAL/PEF (CNL/GR will be run to surface)
14,300'-12,000' PHASOR IND/BHC/GR/SP/CAL
14,300'-12,000' LDT/CNL/GR/CAL
17,700'-14,300' PHASOR IND/BHC/GR/SP/CAL
17,700'-14,300' LDT/CNL/GR/CAL/PEF

8. Any anticipated abnormal pressures or temperatures expected:

Overpressuring is anticipated from 12,000'-14,300', necessitating a drilling liner.

9. The anticipated starting date and duration of the operations:

Anticiapted starting date: 08-31-94
Estimated duration of operation: 148 days for drilling
and completion

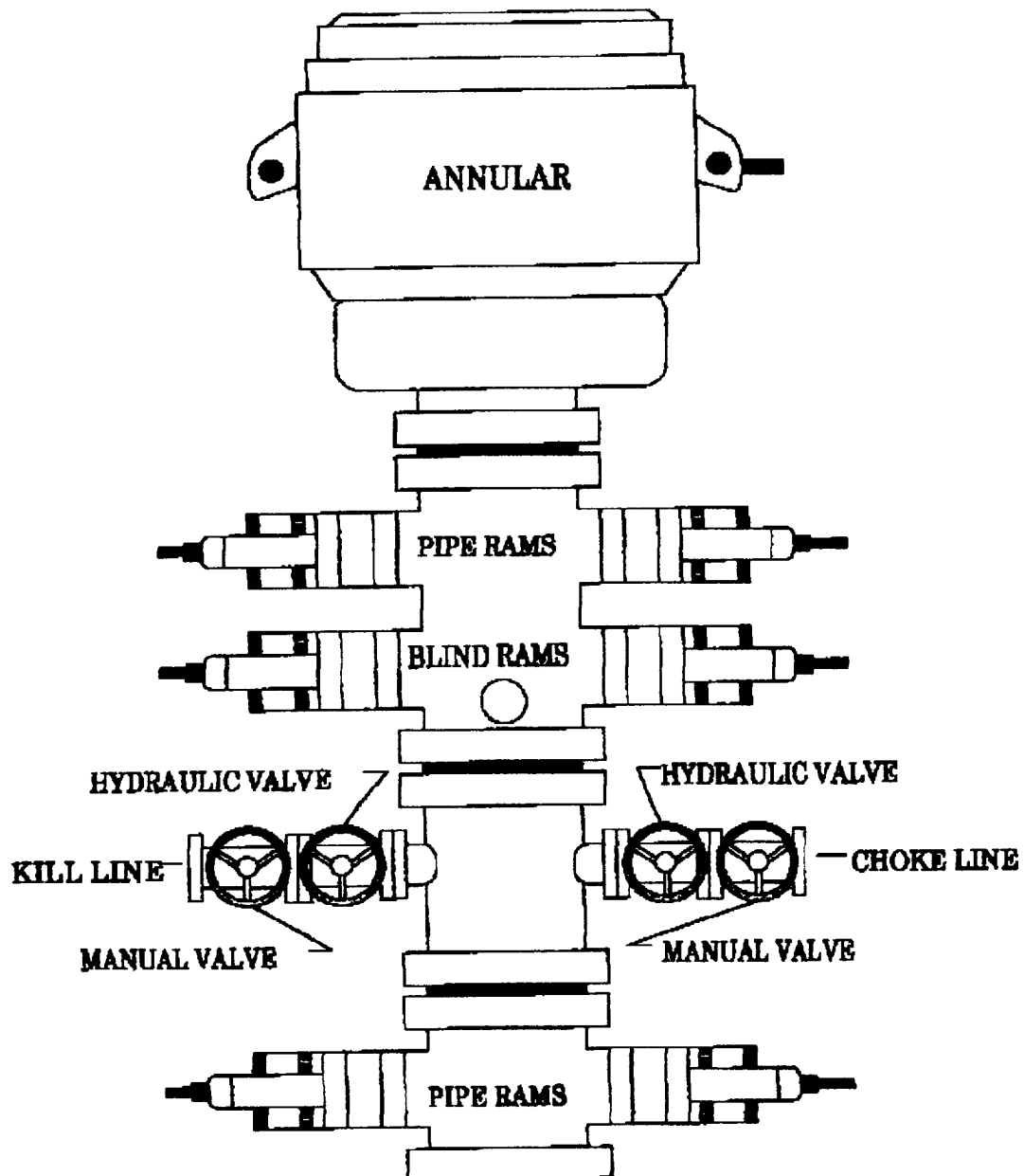
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REFUSED

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722/3

11" 10M BOP STACK
TO BE NIPPLED UP ON 9-5/8" INTERMEDIATE
CASING AND UTILIZED TO TD



8/8/8
5/9/8
3/8/8
1-12-8
12-15-8

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