Form 3160-4
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2004

5. Lease Serial No. NM-0587

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr,.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: Amerada Hess Corporation

8. Lease Name and Well No.: North Bell Lake Federal #2

3. Address: P. O. Box 840, Seminole, Tx. 79360

3a. Phone No. *(include area code)*: 915 758-6707

9. API Well No.: 30-025-32672

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 1100' FSL & 1500' FWL

CONFIDENTIAL

At top prod. interval reported below

At total depth

10. Field and Pool, or Exploratory: Grama Ridge Morrow Gas

11. Sec., T., R., M., on Block and Survey or Area: Sec.5, T23S,R34E

12. County or Parish: Lea

13. State: N.M.

14. Date Spudded

15. Date T.D. Reached

16. Date Completed ☐ D & A ☒ Ready to Prod. 02/14/2003

17. Elevations (DF, RKB, RT, GL)*: 3443' GL

18. Total Depth: MD TVD 17,710'

19. Plug Back T.D.: MD TVD 13,486'

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☐ No ☐ Yes (Submit analysis)
Was DST run? ☐ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
	PLEASE REFER ATTACHMENT.								

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	12,483'	12,483'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow			12,637'-13,004'	0.294	329	A
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
	PLEASE REFER ATTACHMENT.

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS
MAR 17 2003
DAVID R. GLASS
PETROLEUM ENGINEER

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/14/03	03/04/03		→				50.0	0.65	Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
9/64"	4450	0	→	108	2487	0	23,028	Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
			→					

3b.Production - Interval C

ate First roduced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
hoke ize	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

3c. Production - Interval D

ate First roduced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
hoke ize	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

). Disposition of Gas *(Sold, used for fuel, vented, etc.)*

). Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

2. Additional remarks (include plugging procedure):

3. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7. Other:

4.I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Chad McGehee Title Sr. Petroleum Engineer

Signature Chad McGehee Date 03/14/2003

tle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United ates any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Amerada Hess Corporation (CO Conoco Phillips)
North Bell Lake Federal No. 2
API No. 30-025-32672

Form 3160-4 - Attachment

23. Casing and Liner Record (Report all strings in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (Bbls.	Cement Top*	Amount Pulled
26"	20"	94#	0'	902'		1068 Sks. "C"		Surface	
17-1/2"	13-3/8" J-55	68 & 72#	0'	4872'		4600 Sks.		Surface	
12-1/4"	9-7/8" T95	62.80#	0'	1642'					
12-1/4"	9-5/8" L-80	53.50#	1642'	12051'		835 Sks.		10,000' Calc.	
8-1/2"	7-5/8" P110	39#	11724'	14406'		600 Sks. "H"		11,724' Calc.	
6-1/2"	5-1/2"	23#	0'	15454.1'					
6-1/2"	5"	17.93#	15454.1'	16917.6'					
6-1/2"	4-1/2"	15.1#	16917.6'	17709'		250 Sks. "H"		11,250' TS	

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material	
16303' - 16715'	30 Sks. Super "H" cement.	
14456' - 16295'	Gelled plug mud.	
14202' - 14456'	30 Sks. Super "H" cement.	
13600' - 13602'	Shot 4SPF circ. holes	
13502'	Set 5-1/2 cement retainer & circ 200 Sks. Super "H" Cement.	Circulated cmt. across
12530' - 12531'	Shot 4SPF circ. holes	Morrow Zone between
12454'	Set 5-1/2 cement retainer & circ 200 Sks. Premium Plus Cement. TOC at 11250'	5-1/2 & 7-5/8