



Amoco Production Company

501 WestLake Park Boulevard
Post Office Box 3092
Houston, Texas 77253

May 1, 1991

RECEIVED

MAY 02 1991

OIL CONSERVATION DIVISION

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: W. J. LeMay, Director

File: KWB-618-WF

Application for Approval to Directionally Drill
South Hobbs (GSA) Unit No. 225 and 228
Hobbs Grayburg - San Andres Pool
Lea County, New Mexico

Amoco Production Company, as operator of the South Hobbs (Grayburg-San Andres) Unit, Lea County, New Mexico, hereby applies for administrative approval to directionally drill the subject wells at the attached surface and bottomhole location. These wells are being drilled in order to permit the completion of an efficient production and injection pattern within our secondary recovery project. (See Attachment I for location.)

Required notice of this application has been served by certified mail to each operator of proration or spacing units offsetting the unit for which these directional drilling exceptions are requested. Each party shown on the attached service list has been furnished a copy of this letter complete with all attachments.

If there are any questions concerning this application, please contact Kim Colvin (713/596-7686).

Yours very truly,

K. W. Brand
HB

K. W. Brand
Administrative Services Manager

HIB/avd

Attachments

cc: State of New Mexico
Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88240



Amoco Production Company

501 WestLake Park Boulevard
Post Office Box 3092
Houston, Texas 77253

May 1, 1991

City of Hobbs
300 N. Turner
Hobbs, New Mexico 88240

Attention: City Manager

File: KWB-169-WF

Townsite Drilling
South Hobbs (GSA) Unit No. 225 and 228
Lea County, New Mexico

RECEIVED

MAY 02 1991

OIL CONSERVATION DIVISION

Amoco Production Company, as operator of the South Hobbs (GSA) Unit, hereby notifies you that we have made application to the Director of the New Mexico Oil Conservation Division for an exception to State Rule 111 to directionally drill the subject oil wells within the townsite of Hobbs, New Mexico. We propose to drill Well No. 225 at Leech and White Streets and Well No. 228 at Highway 62-180.

We anticipate starting operations June 1, 1991. It is expected that drilling and completion operations will last approximately 20-30 days.

Due to the known hazards of drilling through H₂S bearing zones, Amoco has developed contingency plans for drilling townsite wells. The plans will be given to you at our meeting scheduled for 10:00 a.m. on May 22, 1991. We will notify your office when drilling operations begin.

Should you have any questions concerning the drilling of these wells, please contact either Jesse Lopez 713/556-3996 or Kim Colvin 713/596-7686.

Yours very truly,

K. W. Brand
HB

K. W. Brand
Administrative Services Manager

HIB/avd

cc: Bryan Gourlay Rm. 17.132



Amoco Production Company

501 WestLake Park Boulevard
Post Office Box 3092
Houston, Texas 77253

May 1, 1991

Oryx Energy Company
Box 2880
Dallas, TX 77221-2880

File: KWB-170-WF

Request for Waiver to Directionally Drill
South Hobbs (GSA) Unit No. 228
Lea County, New Mexico

Amoco Production Company, as operator of the South Hobbs (GSA) Unit, hereby notifies you that we have applied to the NMOCD for administrative approval to directionally drill the subject well at the attached surface and bottomhole location.

If you have no objections to the directional drilling of this well, please sign below and forward one copy to the NMOCD in Santa Fe, one copy to the NMOCD in Hobbs, one copy to this office, and retain a copy for your file. Addressed, stamped envelopes have been provided for your convenience.

If there are any questions concerning this application, please contact Kim Colvin 713/596-7686.

Yours very truly,

K.W. Brand
HB

K. W. Brand
Administrative Services Manager

HIB/avd

Attachments

APPROVAL

Company: _____

By: _____

Date: _____



Amoco Production Company

501 WestLake Park Boulevard
Post Office Box 3092
Houston, Texas 77253

May 1, 1991

Shell Western E & P, Inc.
P. O. Box 576
Houston, TX 77001-0576

File: KWB-170-WF

Request for Waiver to Directionally Drill
South Hobbs (GSA) Unit No. 228
Lea County, New Mexico

Amoco Production Company, as operator of the South Hobbs (GSA) Unit, hereby notifies you that we have applied to the NMOCD for administrative approval to directionally drill the subject well at the attached surface and bottomhole location.

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Yours very truly,

K. W. Brand
HB

K. W. Brand
Administrative Services Manager

HIB/avd

Attachments

APPROVAL

Company: _____

By: _____

Date: _____



Amoco Production Company

501 WestLake Park Boulevard
Post Office Box 3092
Houston, Texas 77253

May 1, 1991

Shell Western E & P, Inc.
P. O. Box 576
Houston, TX 77001-0576

File: KWB-170-WF

Request for Waiver to Directionally Drill
South Hobbs (GSA) Unit No. 225
Lea County, New Mexico

Amoco Production Company, as operator of the South Hobbs (GSA) Unit, hereby notifies you that we have applied to the NMOCD for administrative approval to directionally drill the subject well at the attached surface and bottomhole location.

If you have no objections to the directional drilling of this well, please sign below and forward one copy to the NMOCD in Santa Fe, one copy to the NMOCD in Hobbs, one copy to this office, and retain a copy for your file. Addressed, stamped envelopes have been provided for your convenience.

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K. W. Brand
HB

K. W. Brand
Administrative Services Manager

HIB/avd

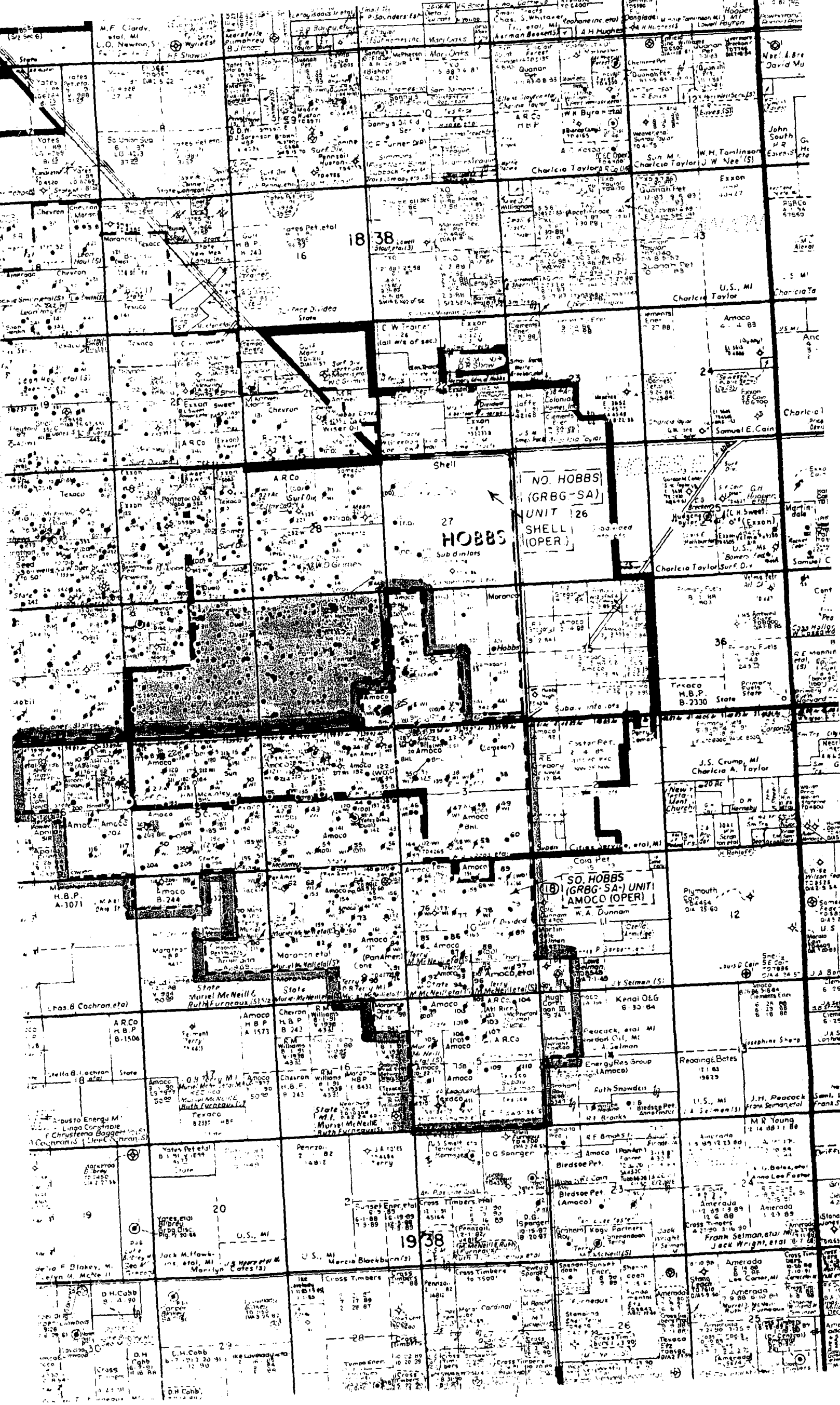
Attachments

APPROVAL

Company: _____

By: _____

Date: _____



ATTACHMENT I

<u>Well Name</u>	<u>Type of Well</u>	<u>Surface Location</u>	<u>Bottomhole Location</u>	<u>Elevation (Ground Level)</u>
SHU No. 225	Producing	Unit P, 541' FWL X 647' FSL, Sec. 34, T-18-S, R-38-E	15' FEL X 660' FSL, Sec. 33, T-18-S, R-38-E	3620.2
SHU No. 228	Producing	Unit D, 660' FNL X 1140' FWL, Sec. 5, T-19-S, R-38-E	660' FNL X 1270' FWL, Sec. 5, T-19-S, R-38-E	3624.6

Note: Reason for direction drilling wells is due to surface obstruction (i.e. buildings, streets, etc.)

*and is located
drilled hole
permanently to a well*

NOTICE REQUIREMENTS

South Hobbs (GSA) Unit

WELL NO.225

**Shell Western E & P, Inc.
P. O. Box 576
Houston, TX 77001-0576**

WELL NO. 228

**Shell Western E & P, Inc.
P. O. Box 576
Houston, TX 77001-0576**

**Oryx Energy Company
Box 2880
Dallas, TX 75221-2880**



OIL CONSERVATION DIVISION
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Amoco Production Company

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Post Office Box 3092
Houston, Texas 77253

May 1, 1991

Shell Western E & P, Inc.
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Houston, TX 77001-0576

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If there are any questions concerning this application, please contact Kim Colvin 713/596-7686.

Yours very truly,

K. W. Brand
HB

K. W. Brand
Administrative Services Manager

HIB/avd

Attachments

APPROVAL
SHELL WESTERN E&P INC.
Company: _____
By: *[Signature]*
Date: 5/7/91



OIL CONSERVATION DIVISION

RECEIVED

Amoco Production Company

'91 MAY 13 AM 9 36

501 West Lake Park Boulevard
Post Office Box 3092
Houston, Texas 77253

May 1, 1991

Oryx Energy Company
Box 2880
Dallas, TX 77221-2880

File: KWB-170-WF

Request for Waiver to Directionally Drill
South Hobbs (GSA) Unit No. 228
Lea County, New Mexico

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Yours very truly,

K.W. Brand
HB

K. W. Brand
Administrative Services Manager

HIB/avd

Attachments

APPROVAL

Company: Oryx Energy Co.

By: B. Manoochehri

Date: 5/10/91

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

7. Lease Name or Unit Agreement Name

South Hobbs Unit

2. Name of Operator

Amoco Production Company

8. Well No.

228

3. Address of Operator

P. O. Box 3092, Houston, TX 77253

9. Pool name or Wildcat

Hobbs Grayburg-S Andres

4. Well Location SL/BHL

Unit Letter D : 660/660 Feet From The North Line and 1140/1270 Feet From The West Line

Section 5

Township

19-S

Range

38-E

NMPM

Lea

Country

10. Proposed Depth

11. Formation

San Andres

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

3624.6 GL

14. Kind & Status Plug. Bond

15. Drilling Contractor

16. Approx. Date Work will start

5/10/91

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14-3/4"	10-3/4"	40.5 # K55	1600'	1000	Surface
9-7/8"	7"	23 # K55	4307'	1300	Surface

Propose to drill and equip well in the San Andres formation. After reaching TD, logs will be run and evaluated. Perforate and/or stimulate as necessary in attempting commercial production.

Mud Program:

0 - 1600' Native/Spud
1600' - 3800' Saturated/Brine
3800' - TD * Salt Gel/Starch

*Add mud materials as necessary
to reduce fluid loss.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kim A. Colvin TITLE Asst. Admin. Analyst DATE 4/9/91
TYPE OR PRINT NAME Kimberly A. Colvin TELEPHONE NO 713/ 596-7686

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-102

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Revised 10-1-

All distances must be from the outer boundaries of the Section.

Operator Amoco Production Company			Lease South Hobbs Unit		Well No. 228
Unit Letter D	Section 5	Township 19 South	Range 38 East	County Lea	
Actual Footage Location of Wells					
660		feet from the North	line and	1270	feet from the West line
Ground Level Elev. 3624.6	Producing Formation Grayburg-S		Pool Hobbs Field	Dedicated Acreage 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division

