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#### **Report Description**

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Release OCT. 1,1985

STATE OF NEW MEXICO

# ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

e <u>Gertember</u> 1, 1985

TONEY ANAYA

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

Operator _	Amoco PRODUCTION 68 NEW MEXICO 88240	COMPANY
P.O. Box	68	
HORBS.	NEW MEXICO 88240	<u></u>
•	L. R. SMITH, DIS	

ADMINISTRATIVE ORDER DD- 9- (SNSL)

#### Gentlemen:

Under the provisions of Rule 111 (C) and (D), Amoco PacoucTow

Company made application to the New Mexico Oil

Conservation Division on SEPTEMBER 16 1985, for

permission to directionally drill and complete for

PRODUCTION the THREE WELLS LISTED IN EXHIBIT A, attached hereto and made a part thereof.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111 (D) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators have been duly notified;
- (3) THE APPLICANT, AMOCO PRODUCTION COMPANY, IS THE OWNER AND OPERATOR OF SAID WELLS, THE UNORTHODOX SURFACE LOCATIONS OF WHICH ARE LISTED ON THE EXHIBIT "A",
- (4) THE APPLICANT SEEKS TO DIRECTIONALLY DRILL SAID WELLS BY
  KICKING OFF FROM VERTICAL AT A DEPTH OF APPROXIMATELY
  1700 FEET ON WELL HOS 197 AND 198 AND APPROXIMATELY 3000 FEET
  OH WELL NO. 202, DRILLING IN SUCH A MANHER AS TO PENETRATE
  THE GRAY BURG SAN ANDRES FORMATIONS WITHIN 50 FEET OF THE
  PROPOSED BOTTOMHOLE LOCATION OF EACH WELL
- DEDICATED TO EACH SPECIFIED WELL.

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TO BOTH WELLEN DEEL

### (5) The \_\_\_\_\_ of Section \_\_\_\_ should be dedicated to the well.

- (6) The applicant should be required to determine the subsurface location of the bottom of the hole by means of a continuous multi-shot directional survey conducted subsequent to said directional drilling, if said wells to be completed as producing wells.
- (7) Approval of the subject application will prevent the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and otherwise prevent waste and protect correlative rights.

#### IT IS THEREFORE ORDERED THAT:

- (1) THE APPLICANT, AMOCO PRODUCTION COMPANY, IS HEREBY AUTHORIZED TO DIRECTIONALLY DRILL SAID WELLS LISTED ON THE EXHIBIT "A". THE SURFACE AND BOTTOM HOLE LOCATIONS FOR EACH WELL ARE ALSO LISTED ON THE EXHIBIT "A". ALL THREE WELLS WILL BE COMPLETED IN THE HOBBS GRAYBURG SAN ANDRES POOL AND WILL BE DRILLED VERTICALLY TO A KICK OFF DEPTH OF APPROXIMATELY 1700 FEET IN WELL HO'S 197 and 198 and approximately 3000 Feet in well Ho. 202. Drilling should be performed un such a manner as to penatrate the Strayburg-San Anches Formations within 50 feet of the target hottombole location for each well.

  NOTE OTHER PARAGRAPHS WADERNEATH
- (2) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

- The ACREAGE LISTED IN EXHIBIT "A" be dedicated to the subject well.
- (4) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

> STATE OF NEW MEXICO OIL CONSERVATION DIVISION

R. L. STAMETS, Director

SEAL

#### (GRAYBURG- SAN AWDRES)

### SOUTH HOBBS WINIT EXPANSION

#### DIRECTIONAL DRILL WELLS

WELL NAME AND LOCATION

DEDICATED ACREAGE

WELL NO. 197

2030 FSL & 860 FWL (SURFACE)

NW/4 SW/4 OF SECTION 34

2600' FSL & 689' FWL (BOTTOM HOLE)

SEC. 34, TIBS, R38E, LEA CO.

WELL NO. 198 749 FAL & 1981 FWL (SURFACE) 990 FAL & 1622 FWL (BOTTOM HOLE)

NE/A NW/4 OF SECTION 6

SEC. 6, T195, R 38 E, LEA CO.

WELL'NO. 202

1650' FSL & 1100' FEL (SURFACE)

HE/4 SE/4 OF SECTION 6

1650' FSL & 990' FEL (BOTTOMHOLE)

SEC. 6, T 195, P3BE, LEA CO.

MOTE: All surface location are monstandard (SMSL) and all botton hold locations are standard.

EXHIBIT "A"

ADMINISTRATIVE ORDER DD- 9 (SHSL)

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#### **Amoco Production Company**

Post Office Box 68
Hobbs, New Mexico 88240

L. R. Smith District Manager

September 11, 1985

SEP 16 1985
OF CONSERVATION DIVISION

SANTA FE

File: SGH-1762-416

Re: Application for Unorthodox Locations

and Directionally Drilled Wells

South Hobbs (GSA) Unit Westside Development

Hobbs Grayburg-San Andres Pool

Lea County, New Mexico

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

Amoco Production Company hereby requests administrative approval to develop the westside of the South Hobbs Unit Pressure Maintenance Project by drilling six Grayburg-San Andres producers. Of these six wells, three are located at unorthodox locations and three will be directionally drilled. This application contains the request for approval of three unorthodox locations and three directionally drilled exceptions.

Exhibit "A" is a tabulation of the six proposed drilling locations. The three wells which will be drilled at unorthodox locations within the unit are so noted. On the three wells which will be directionally drilled, the proposed bottom hole location, kick-off point, and projected bottomhole deviation are listed. Ground elevation is listed for each well. A South Hobbs (GSA) Unit map is included with the proposed drilling sites (both surface and bottomhole) shown. Also, we have included a copy of the individual well plats (C-102).

The availability of suitable surface locations for three South Hobbs (GSA) Unit wells are very limited. To obtain the necessary bottomhole locations, these wells must be directionally drilled from the closest available property. See Exhibit "B" for specific reasons.

September 11, 1985 File: SGH-1762-416 Page 2

Unorthodox surface locations are required to obtain optimum pattern geometry. This optimum geometry is necessary to most efficiently develop and produce the Grayburg-San Andres along the westside of the Unit.

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

If you have any questions concerning this application, please contact Charles Herring in our Hobbs District Office, (505) 393-1781, Extension 252.

CMH/sh APRDO4-AAA

**Enclosures** 

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

L. R. Smith son

#### SERVICE LIST SOUTH HOBBS (GSA) UNIT WESTSIDE DEVELOPMENT

#### Offset Operators

Gulf Oil Exploration & Prod. Co. P. O. Box 1150 Midland, TX 79702

Shell Western E&P, Inc. P. O. Box 991 Houston, TX 77001

CMH/sh APRD04-AAA(2)

EXHIBIT "A"

SOUTH HOBBS (GSA) UNIT

Well Name	Surface Location	Bottomhole Location	Kick-Off Point Below Surface	Bottomhole Deviations	Elevation (Ground Level)
SHU No. 197	2030' FSL x 860' FWL, Sec. 34, T-18-S, R-38-E	2600' FSL x 689' FWL, Sec. 34, T-18-S, R-38-E	Approx. 1700'	595'	3625.2'
SHU No. 198	749' FNL x 1981' FWL, Sec. 6, T-19-S, R-38-E	990' FNL x 1622' FWL, Sec. 6, T-19-S, R-38-E	Approx. 1700'	432	3637.1'
SHU No. 199	1028' FNL x 2310' FEL, Sec. 6, T-19-S, R-38-E	Same as surface			3630.2'
SHU No. 201	2310' FNL x 1028' FEL, Sec. 6, T-19-S, R-38-E	Same as surface			3628.5'
SHU No. 202	1650' FSL x 1100' FEL, Sec. 6, T-19-S, R-38-E	1650' FSL x 990' FEL, Sec. 6, T-19-S, R-38-E	Approx. 3000'	110'	3617.3'
SHU No. 203	1568' FSL x 248' FWL, Sec. 5, T-19-S, R-38-E	Same as surface	•		3615.5'

#### EXHIBIT "B"

## REASONS FOR DIRECTIONALLY DRILLING AND/OR UNORTHODOX LOCATIONS

Well Number	Reason for Deviation
SHU No. 197	Surface location is in the middle of a residential area within the Hobbs City limits. Proposed location is on the corner of Leech and Taylor Streets.
SHU No. 198	Bottomhole location is directly beneath a state- owned caliche pit.
SHU No. 199	Optimum pattern geometry.
SHU No. 201	Optimum pattern geometry.
SHU No. 202	Too close to buried high pressure gas lines.
SHU No. 203	Optimum pattern geometry.

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

Operator			Lease	<del></del>		<del>-</del>	——————————————————————————————————————	
Operator A	MOCO PRODUCTI	ON COMPANY		H HOBBS GRAY	YBURG SAN	ANDRES UN	NIT Well No. 19	7
Unit Letter	Section	Township	R	onge .	County			
L	34	18 SOUTH		38 EAST	<u> </u>	LEA		
Actual Footage Loc		OUTH line and	ı	860 tea		WEST		
Ground Level Elev.	Producing Fo	<del></del>	Pool		et from the	<del></del>	line edicated Acreage:	
3625.2'	Graybur	g-San Andres		Hobbs GSA			40	Acres
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ž		·				AUGUST Registered Profond/or Land Sur Certificate No.	15,1985  essional Engineer veyor  JOHN W. WEST,	676 3239

	<u> </u>	All distances must be fr	om the outer boundaries	of the Section.	<u> </u>
Operator A	MOCO PRODUCT	ION COMPANY	SOUTH HOBBS GR	AYBURG SAN ANDRES	5 UNIT Well No. 198
Unit Letter	Section	Township	Romge	County	•
С	6	19 SOUTH	38 EAST	LEA	
Actual Footage Loc		RTH line and	1981	feet from the WEST	line
Ground Level Elev.	Producing Fo	<del></del>	Pool	reet nom the wast	Dedicated Acreage:
3637.1'	Graybu	rg-San Andres	Hôbbs G	isa	40 Acres
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All distances must be from the outer boundaries of the Section

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Oper <b>ator</b> AMOCC	PRODUCTION	COMPANY	Lease SOUTH I	HOBBS GRAY	BURG SAN ANI	DRES UNIT	Well No.
Unit Letter B	Section	Township	Romo	-	County		<u> </u>
Actual Footage Los	6	1.9 SOU'	IH	38 EAST	L.	EA	
1028	feet from the NO	ORTH line	oon d	2310 te	et from the EAST		line
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Form C-102 Supersedes C-128 Effective 1-1-65

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

Section   Section   Description   Property	Operator AMC	OCO P	RODUCTION	COMPANY		Lease SOUTH	HOBBS GRA	YBURG SA	AN ANDRES	UNIT Well No.	201
Contract per Election of Posterior Frontition (Space 1) Post (Space 1) Posterior Frontition (Space 2) Fortificial Posterior Frontition (Space 2) Fortificial Posterior Frontition (Space 2) Fortificial Activities (Space 2) Fortificia		Section			9 SOUTH	Roma	38 EAST	County	LEA		-
Production Formation   Production											
3628.5' Grayburg-San Andres Hobbs GSA 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 Commission.  CERTIFICATION  [hereby certify that the information contained bearing that the information contained bearing that the information contained bearing that the uniformation contained bearing and bearing that the uniformation contained bearing and correct to the bear of my knowledge and belief    hereby certify that the well facetion about an order of the well facetion about an order of the bear of my knowledge and belief    hereby certify that the well facetion about an order of the bear of my knowledge and belief    hereby certify that the well facetion about an order of the bear of my knowledge and belief    hereby certify that the well facetion about an order of the bear of my knowledge and belief    hereby certify that the well facetion about an order of the bear of my knowledge and belief    hereby certify that the well facetion about an order of the bear of my knowledge and belief    hereby certify that the well facetion about an order of the bear of my knowledge and belief    hereby certify that the well facetion about an order of the part of the					line and	<u> </u>	1028 tee	et from the	EAST		
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All distances must be from the outer boundaries of the Section.

Operator				Lease	· · · · · · · · · · · · · · · · · ·			Well	No.
AMO		RODUCTION			H HOBBS GR	AYBURG S	AN ANDRES	UNIT	202
Unit Letter	Section	_	Township	Ra	nge	County			
Actual Footage Loc	gtion o	6 ( Well:	19 SOUTH		38 EAST		LEA		
1650		from the SOU'	TH to a mo		1100		EAST		
Ground Level Elev.	166	Producing For		P001		feet from the	LADI	line Dedicated Ac	Tredde:
3617.3'		Grayburg	-San Andres		Hobbs GS/	P		)	40 Acres
1. Outline th	е аст	eage dedicat	ed to the subject v	vell by c	olored penci	l or hachure	marks on th	ne plat belo	Acres
interest an	nd roy an one	alty). e lease of di	dedicated to the we fferent ownership is nitization, force-poo	dedicate	ed to the wel				Ç
Yes  If answer this form i	is ''ne	No If an o," list the cassary.)	swer is "yes," type owners and tract des d to the well until a	of conso	lidation				<del></del>
forced-poo	ling, o	r otherwise)	or until a non-standa	rd unit, e	eliminating s	uch interes	ts, has been	approved b	y the Commis-
				ARE OIST FROM	NO. 676	ONNEER SOL	Name Adminis Position Amoco P Company	Jin is true and knowledge are trative	information con- d complete to he ad belief.  Analyst (SG)  Company
		LOCAT	BOTTOM HOLE ION WILL BE F.S.L. & 990'		- 1650' - G	0'-	shown on notes of cunder my sis true as knowledge	this plat was pactual surveys supervision, a nd correct to and belief.	he well location plotted from field made by me or nd that the same the best of my
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Form C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section

		All distances must be t	rom the outer boundaries of	or the Section.	<del></del>
Operator A	MOCO PRODUCTI	ON COMPANY	SOUTH HOBBS GRA	YBURG SAN ANDRES	UNIT Well No. 203
Unit Letter	Section	Township	Romge	County	
L Actual Footage Loc	5	19 SOUTH	38 EAST	LEA	
1568	feet from the SOU	TH line and	248 fe	et from the WEST	line
Ground Level Elev.	Producing For		Pool		Dedicated Acreage:
3615.5'	Graybur	g-San Andres	Hobbs G	SA	40 Acres
1. Outline th	e acreage dedica	ted to the subject we	ell by colored pencil	or hachure marks on th	he plat below.
2. If more th interest an	an one lease is id royalty).	dedicated to the well	, outline each and id	entify the ownership t	hereof (both as to working
		ifferent ownership is on itization, force-pooli		, have the interests of	f all owners been consoli-
Yes	☐ No If ar	swer is "yes," type o	f consolidation	<del></del>	
If answer i	is ''no,'' list the	owners and tract desc	riptions which have a	ictually been consolid	ated. (Use reverse side of
this form i	necessary.)		<del> </del>		
					munitization, unitization,
forced-pool sion.	ing, or otherwise)	or until a non-standar	1 unit, eliminating su	ch interests, has been	approved by the Commis-
31011,					
	i I		1		CERTIFICATION
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568.	} 		·	Date Survey AUG	UST 19,1985
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				Certificate	NO. JOHN W. WEST, 676 RONALD J. EIDSON. 3239

### P 267 162 750

#### RECEIPT FOR CERTIFIED MAIL

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### P 267 162 749

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#### **INTENTIONAL OMISSIONS**

The following document(s) have been intentionally omitted from this file due to the indicated reasons.		
FILE#	DD-9	
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	DESCRIPTION OF OMITTED D	OOCUMENTS
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OMITTED DOCUMENT		REASON OMITTED
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