

Release Oct. 7, 1985



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September 11, 1985

NISL-2167 RULE-104 A(Z)

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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. 0. 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. 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.

40 Acrs ded ______ SHU No. 199 1028' FNL x 2310' FEL, NWH NEH ______ SHU No. 199 Sec. 6, T-19-S, R-38-E South tobbs - Lea GO/SA Unit County 46 Acro ded. SHU No. 201 2310' FNL x 1028' FEL, SE14 NETY Sec. 6, T-19-S, R-38-E 1568' FSL x 248' FWL, Sec. 5, T-19-S, R-38-E 40 Alore cled. SHU No. 203

NW/USW/U

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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.

Original Signed By L.R. Smith

CMH/sh APRD04-AAA

Enclosures

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



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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 APRDO4-AAA(2) EXHIBIT "A"

SOUTH HOBBS (GSA) UNIT

Elevation (Ground Level)	3625.2'	3637.1'	3630.2'	3628.5'	3617.3'	3615.5'
Bottomhole Deviations	595 '	432 '			110	
Kick-Off Point Below Surface	Approx. 1700'	Approx. 1700'			Approx. 3000'	
Bottomhole Location	2600' FSL × 689' FWL, Sec. 34, T-18-S, R-38-E	990' FNL × 1622' FWL, Sec. 6, T-19-S, R-38-E	Same as surface	Same as surface	1650' FSL × 990' FEL, Sec. 6, T-19-S, R-38-E	Same as surface
Surface Location	2030'FSL x 860'FWL, Sec. 34, T-18-S, R-38-E	749' FNL × 1981' FWL, Sec. 6, T-19-S, R-38-E	SHU No. 199 1028' FNL x 2310' FEL, Sec. 6, T-19-S, R-38-E	SHU No. 201 2310' FNL x 1028' FEL, Sec. 6, T-19-S, R-38-E	1650'FSL x 1100'FEL, Sec. 6, T-19-S, R-38-E	<pre>{SHU No. 203-? 1568' FSL x 248' FWL, Sec. 5, T-19-S, R-38-E</pre>
Well Name	SHU No. 197	SHU No. 198	SHU NO. 199	SHU No. 201	SHU No. 202	{SHU No. 203-7

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CMH/sh APRD04-AAA(4)

EXHIBIT "B"

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REASONS FOR DIRECTIONALLY DRILLING AND/OR UNORTHODOX LOCATIONS

<u>Well Number</u>	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.

CMH/sh APRDO4-AAA(5)



Form C-102 Supersedes C-128 Effective 1-1-65

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

	MOCO PRODUCT				· · · · · · · · · · · · · · · · · · ·	ANDRES UNIT	197
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Form C-102 Supersedes C-128 Effective 1-1-65

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Operator Al	MOCO PRODUCT		SOUTH	HOBBS GRAY	BURG SA	N ANDRES	UNIT Well No. 198
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						Registered F and/or Land	mlulit
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Form C-102 Supersedes C-128 Effective 1-1-65

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Form C-102 Supersedes C-128 Effective 1-1-65

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Form C-102 Supersedes C-128 Effective 1-1-65

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Form C-102 Supersedes C-128 Effective 1-1-65

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Operator AMOCO	D PRODUCTION COM	PANY	SOUTH HOBBS GR	AYBURG SAN	N ANDRES UNIT	203
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P 267 162 749 P 267 162 750 **RECEIPT FOR CERTIFIED MAIL RECEIPT FOR CERTIFIED MAIL NO INSURANCE COVERAGE PROVIDED** NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL NOT FOR INTERNATIONAL MAIL (See Reverse) See Reverse) SENT TO Oil Exploration Etrod. Co Western 28H Inc EET AND NO. 00 Box 1150 CODE% buston, Midland, TX 19702 TX 1700 POSTAGE POSTAGE 73 173 23 CERTIFIED FEE CERTIFIED FEE .75 ,75 Ĩ. FEES FEES SPECIAL DELIVERY SPECIAL DELIVERY . Ener RESTRICTED DELIVERY RESTRICTED DELIVERY 31 FOR Sec. ( C. FOR SHOW TO WHOM AND S SERVICES RECEIPT SERVICE SHOW TO WHOM AND DATE DELIVERED f SERVICES SERVICE CONSULT POSTMASTER .70 .70 POSYMASI SHOW TO WHOM: DATE: AND ADDRESS OF DELIVERY SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY RETURN RECEIPT **FIONAL** OPTIONAL SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY CONSULT SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY 6 RETURN Ę, SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY T. 1976 1976 TOTAL POSTAGE AND FEE 5.18 TOTAL POSTAGE AND FEES 2.18 MARKOR DATE Apr Apr POSTMARKORDATE PÓ G 3800 Form 3800. 2861  $\cap$ **PS Form** £Τ VJ dES S C.