NSL 1749

5wells

Rule 104F

Rule 104F

No Offsets

Immediate Shell Oil Company



P.O. Box 991 Houston, Texas 77001

September 27, 1983

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

Gentlemen:

UNORTHODOX LOCATIONS SUBJECT:

PROPOSED INFILL PRODUCERS

SHELL - NORTH HOBBS (GB/SA) UNIT

LEA COUNTY, NEW MEXICO

OIL CONSERVATION DIVISION SANTA FE

Attached for your approval are NMOCD forms C-101 and C-102 for five infill producers at unorthodox locations within the Shell - North Hobbs (GB/SA) Unit. These producers, whose locations are shown below, will be located less than the minimum 330 feet from 40-acre proration unit boundaries, but are orthodox in all other respects.

WELL NAME & NUME	BER		LOCATI	ON		S.T.R.
North Hobbs (G/SA) Unit 24	No. 413	1200'	FNL &	160'	FEL	24-18S-37E
29	No. 242	100'	FSL &	1400'	FWL	29-18S-38E
30	No. 312	1392'	FNL &	2477'	FEL	30-18S-38E
33	No. 142	1250'	FSL &	185'	FWL	33-18S-38E
33	No. 233	2380'	FSL &	2530'	FWL	33-18S-38E
(_ea County,	New Mex	kico.			

The North Hobbs (G/SA) Unit and pressure maintenance project which was authorized by Division Order No. R-6198 and R-6199, became effective February 1, 1980. Currently the Unit is developed by 187 producers and 60 injectors, utilizing a modified 9-spot flood pattern (Figure No. 1). Average daily production amounted to 8900 barrels of oil and 51,700 barrels of water for the month of July 1983. For the same period, water injection averaged 54,800 barrels per day. The Unit development plans as originally proposed, have essentially been completed.

Shell is now investigating the feasibility of developing the central portion of the Unit with a line drive flood pattern. About 85 percent of the wells drilled in the central portion of the Unit are located off-center, usually 330+ feet from the lease line. We have reviewed the sweep efficiencies with this off center well configuration and have identified 48+ potential infill well locations as shown on Figure No. 2. Our analysis indicates these additional wells will be necessary to recover reserves that cannot be recovered with the existing well pattern. If all 48 locations are drilled, about 20 would be converted to injectors after observing production for one to two years, creating a line drive pattern as illustrated in Figure No. 3.

In order to test the infill potential, five of the 48 locations, as shown on Figure No. 4, have been selected to evaluate:

1) potential of individual zones at infill locations

2) the existance of permeability trends

3) relationship between net pay and productivity.

In our opinion, the location of these wells is necessary to

1) achieve optimum waterflood sweep and oil recovery

 provide data to be used in evaluating flood efficiency
 provide drainage and/or injection points at locations with flexibility to adapt to possible future flood plan revisions.

We anticipate the successful completion of the five proposed infill producers will result in the recovery of 780,000 additional barrels of oil.

In our opinion, approval of Shell's proposal is in the interest of conservation and prevention of waste. Amoco Production Company operates the south offsetting proration unit to Well No. 33-142. We have advised Amoco of our plans by copy of this application. Shell operates all other offsetting proration units in this unitized waterflood project. Therefore, there will be no detrimental effects to correlative rights.

Based on the foregoing, we recommend your approval of Shell's proposal to drill five infill producers at unorthodox locations within the boundaries of the North Hobbs (GB/SA) Unit.

Yours very truly,

A. J. Fore

Supervisor Regulatory and Permitting

Mid-Continent Division

AJF:dmu

Attachments

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

Amoco Production Company (USA) Houston Region-West 501 Westlake Park Boulevard P. O. Box 3092 Houston, TX 77253

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CONDITIONS OF APPROVAL, IF ANYI

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 14-65

RONALD J. EIDSON,

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All distances must be from the outer boundaries of the Section Well tie. 29-242 Legae SHELL OIL CO. NHU Township Sert on That Letter France County 29 18 SOUTH N 38 EAST LEA -ral Footage Location of Well: feet from the line and WEST Dedicated Acreage: gound Level Elev. Freducing Formation 3638.0 GRAYBURG/SAN ANDRES HOBBS (GRAYBURG/SAN ANDRES) 40 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? UNITIZATION If answer is "yes," type of consolidation _ X Yes No 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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. CONSERVATION DIVISION _ SANTA_FE SHELL OIL COMPANY SEPTEMBER 27, 1983 I hereby certify that the well location shown on this plat was plotted from field under my supervision, and that the same true and correct to the best of my 9-13-83 Registered Erofessional Engineer and or 1 on i Surveyor Certificate No. 676

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CONDITIONS OF APPROVAL, IF ANYS

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	. Р	ROPOSED CASING AND	CEMENT PROGRAM		•	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
17-1/2"	13-3/8"	54.5#	40'	50) SX	SURFACE
12-1/4" 7-7/8"	8-5/8". 5 - 1/2"	24# 14#	1710') SX	SURFACE
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BOP PROGRAM: 3,0	00# REGULAR SER	VICE, 3,000# 10"	DOUBLE RAM PRE	VENTER.		
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igned (1) tall	_ A. J. FORE	Title SUPERVISOR	REGULATORY & PE	RMITS U	ore SEPTEN	BER 27, 1983
(This space for S	tate Use)					

STATE OF NEW MEXICO

CONDITIONS OF APPROVAL, IF ANY

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

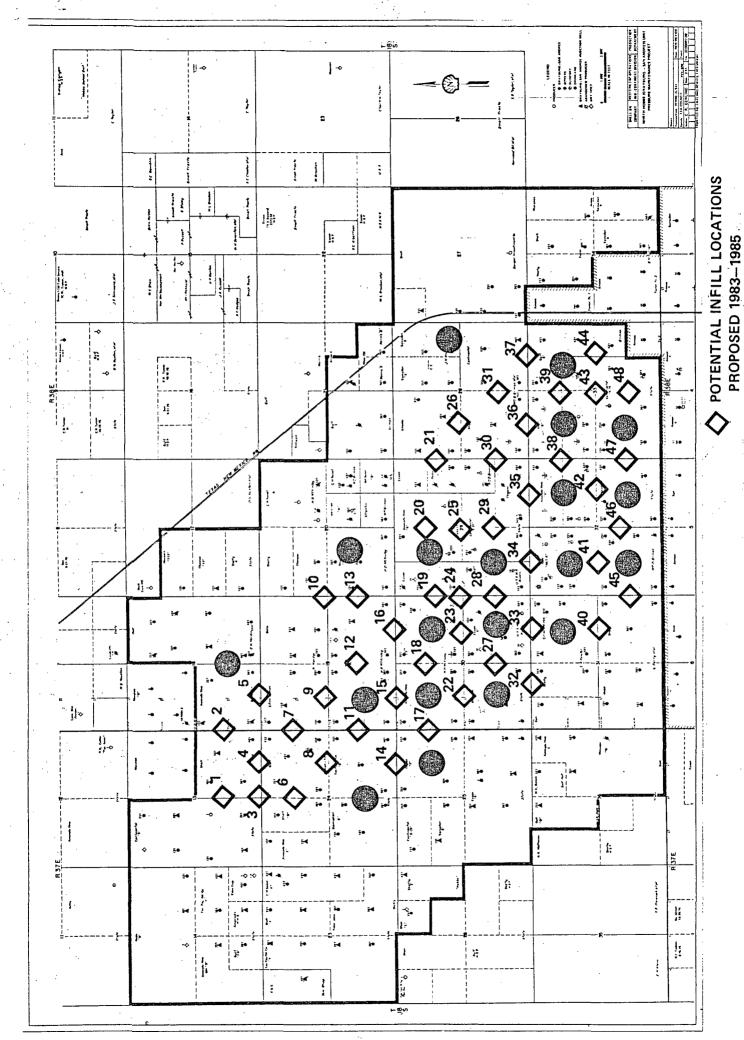
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SHE	LL OIL CO.	-	Lec	N H U			33-142
Unit Letter L	Section 33	Township 18 SOUTH		Range 38 EAST	County	LEA	
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X Yes	□ No If a	nswer is "yes." (type of co	nsolidation	!	<u>UNITIZATION</u>	
If answer	is "no" list the	owners and tract	t descript	ions which have ac	tually hee	en consolidated	(Use reverse side of
this form	if necessary.)		 .				
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sion.	ormg, or otherwise	you until a non or	i.		ii micrest.	s, nas been appn	oved by the commis-
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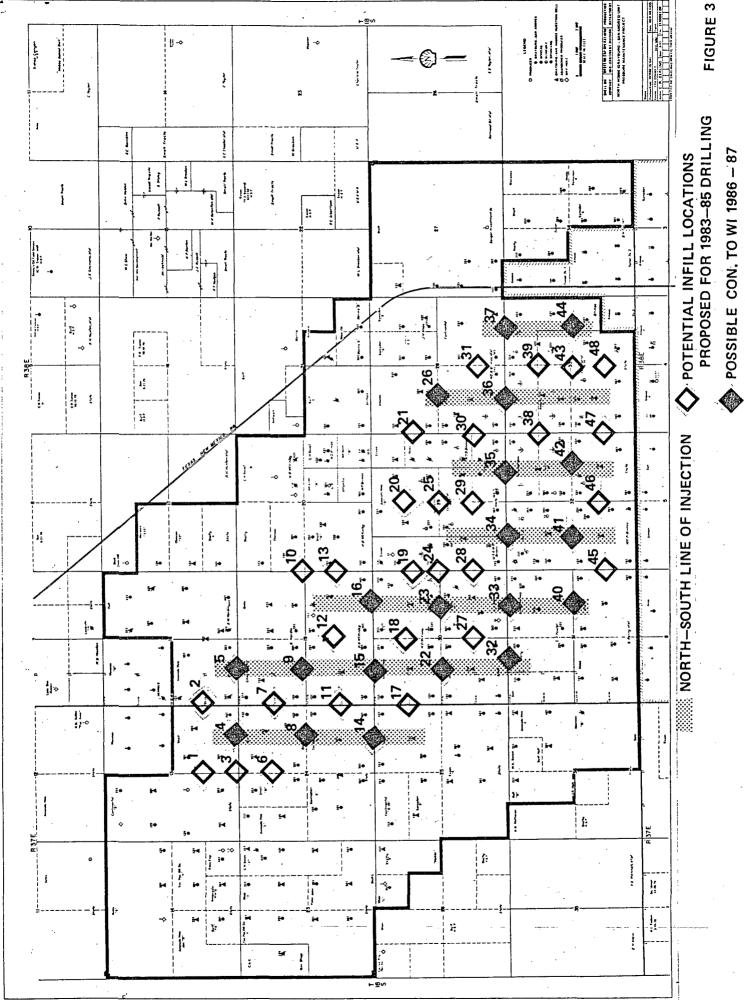
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Form C-102 Supersedes C-128 Effective 1-1-65

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Ground Level Elev. 3638.8	Producing For GRAYBU	mation RG/SAN AND	1	₀ı HOBBS (GR	AHBURG	/SAN AN	IDRES)	Chairman Armage: 40 Arma
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3. If more than or dated by comm	unitization, u		rce-pooling.	etc?			nterests of	Call owners been consoli-
If answer is "this form if need No allowable w	no," list the cessary.)	owners and t	ract descrip	tions which	have act	onsolidate	ed (by com	and (Use reverse side of amunitization, unitization, approved by the Commis-
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				SANTA EE			SHELL O	A. J. FORMSOR REG. & PERMITTING IL COMPANY ER 27, 1983
2530`			REG. PROS.	ENGINEER &	TAND SURVEYO		shown on notes of under my is true	certify that the well location in this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my ge and belief.
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Shell Oil Company



November 17, 1983

P.O. Box 991 Houston, Texas 77001

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

Gentlemen:

SUBJECT: ADMINISTRATIVE ORDER NSL-1749

AUTHORIZING UNORTHODOX LOCATIONS FOR .

FIVE PROPOSED INFILL PRODUCERS SHELL - NORTH HOBBS (GB/SA) UNIT

LEA COUNTY, NEW MEXICO

In reference to Administrative Order NSL-1749 dated October 4, 1983, this is to advise you that due to surface use restrictions, well number 30-312 has been moved and the well number changed to 30-223. The present location for well number 30-223 is shown below.

WELL NAME & NUMBER
North Hobbs (G/SA) Unit No. 223

NEW LOCATION 1770' FNL & 2405' FWL

OIL CONSERVATION DIVISION SANTA FE

> S.T.R. 30-18S-38E.

As stated in our original application dated September 27, 1983, these producers will be located less than the minimum 330 feet from 40-acre proration unit boundaries, but are orthodox in all other respects. We have attached a complete list of all five wells and their present locations.

In as much as the basis of our original application remains unchanged, we recommend your approval of Shell's proposal to drill this infill producer at the amended unorthodox location as show above.

We apologize for any inconvenience caused by these changes.

Yours very truly,

A. J. Fore

Supervisor Regulatory and Permitting

Mid-Continent Division

DMU

Attachments

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

Amoco Production Company (USA) Houston Region-West 501 Westlake Park Boulevard P. O. Box 3092 Houston, TX 77253

SHELL ET AL NORTH HOBBS (G/SA) UNIT PROPOSED LOCATIONS NEWLY DRILLED PRODUCERS LEA COUNTY, NEW MEXICO

TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMPM

SECTION	UNIT WELL NO.	UNIT LETTER		POSEI		OCATIO	
24	413	А	1200'	FNL	&	206'	FEL

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM

SECTION	UNIT WELL NO.	UNIT LETTER	PROPOSED LOCATION
29	242	N	100' FSL & 1400' FWL
30	223	F	1770' FNL & 2405' FWL
33	142	L .	1250' FSL & 185' FWL
33	233	K	2380' FSL & 2472' FWL

STATE OF NEW MEXIC	'n		•			
ENERGY AND MINERALS DEPA		CONSERVAT	ION DIVISION	1	Form C-101	
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b. Type of Well DRILL XX		DEEPEN 🗌	PLU	IG BACK		BS (G/SA) UNIT
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			4350'	19A. Formation GRAYBI SAN AN	DRES	ROTARY
11. Elevations (Show whether DF,	KT, etc.) 21A. Kind	& Status Plug. Bond	21B. Drilling Contracto	or .	22. Approx.	Date Work will start
3653.4' GL	Bi	LANKET	UNKNOWN		UPON	L APPROVAL
23.	F	ROPOSED CASING AN	D CEMENT PROGRAM		•	
. SIZE OF HOLE	SIZE OF CASING		-		COUCUE	EST. TOP
17-1/2"	13-3/8"	WEIGHT PER FOO	T SETTING DEPT		50 SX	SURFACE
12-1/4"	8-5/8"	24#	1710'		50 SX	SURFACE
7-7/8"	5-1/2"	14#	4350'		00 SX I	1500'
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CONDITIONS OF APPROVAL, IF ANYI

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section. Well No. 30-223 Operator NORTH HOBBS UNIT OII COMPANY Range County Township Unit Letter 30 38 EAST 18 South LEA Actual Footage Location of Well: 2405 1770 leet from the NORTH WEST line and feet from the titound Level Elev. Producing Formation Dedicated Acreage: 3653.4 HOBBS (GRAYBURG/SAN ANDRES) GRAYBURG/SAN ANDRES 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? UNITIZATION X Yes 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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the knowledge and belief. **FORE** 2405 SHE I heraby 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 knowledge and belief. Date Surveyed NOVEMBER 7, 1983 Registered Professional Engineer and/or/Land Surveyor

1000

JOHN W. WEST,

RONALD J. EIDSON,

676

3239

Shell Oil Company



October 27, 1983

P.O. Box 991 Houston, Texas 77001

City of Hobbs

ATTN: Mr. Ken Martin, City Manager

300 North Turner Hobbs, NM 88240

Dear Ken:

SUBJECT:

PROPOSED INFILL PRODUCERS

SHELL - NORTH HOBBS (GB/SA) UNIT

HOBBS (GB/SA) FIELD LEA COUNTY, NEW MEXICO

In reference to our previous correspondence dated October 11, 1983 regarding the subject unit, this is to advise you that two of the proposed locations have been moved due to surface use restrictions. The remaining three locations remain unchanged. The well number and their new locations are shown below.

WELL NAME & NUMBER
North Hobbs (GB/SA) Unit 24 No. 413

NEW LOCATION 1200' FNL & 206' FEL Moved 56' West <u>S.T.R.</u> 24-18S-37E

33 No. 233 * 238

2380' FSL & 2472' FWL

33-18S-38E

Moved 58' West

(* denotes well located within the City of Hobbs) Lea County, New Mexico.

We apologize for any inconvenience caused by these changes.

Yours (very truly,

A. J. Fore

Supervisor Regulatory and Permitting

Mid-Continent Division

DMU

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

State of New Mexico Energy and Minerals Department Oil Conservation Division P. O. Box 1980 Hobbs, NM 88240

Shell Oil Company



October 27, 1983

P.O. Box 991 Houston, Texas 77001

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



Gentlemen:

SUBJECT: ADMINISTRATIVE ORDER NSL-1749

AUTHORIZING UNORTHODOX LOCATIONS FOR

FIVE PROPOSED INFILL PRODUCERS SHELL - NORTH HOBBS (GB/SA) UNIT

LEA COUNTY, NEW MEXICO

In reference to Administrative Order NSL-1749 dated October 4, 1983, this is to advise you that due to surface use restrictions, two of the locations have been moved. The remaining three locations remain unchanged. As stated in our original application dated September 27, 1983, these producers will be located less than the minimum 330 feet from 40-acre proration unit boundaries, but are orthodox in all other respects. The locations of the wells are shown below.

WELL NAME & NUMBER NEW LOCATION S.T.R.

North Hobbs (G/SA) Unit 24 No. 413 1200' FNL & 206' FEL 24-18S-37E

Moved 56' West

33 No. 233

2380' FSL & 2472' FWL

33-18S-38E

Moved 58' West

Lea County, New Mexico.

In as much as the basis of our original application remains unchanged, we recommend your approval of Shell's proposal to drill these two infill producers at the amended unorthodox locations as shown above.

We apologize for any inconvenience caused by these changes.

for/A. J. Fore

Supervisor Regulatory and Permitting

Mid-Continent Division

Yours very truly,

DMU

Attachments

ENERGY AND MINERALS DEPA	RTMENT OIL	CONSERVAT	ION DIVISION	-	Form C-101	
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SHELL OIL COMPAN	Υ	· · ·			413	
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12-1/4"	8-5/8".	24#	1710'		SX	SURFACE
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STATE OF NEW MEXICO

CONDITIONS OF APPROVAL, IF ANYI

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		-			certify that the well location
**	1		HIGHEFR	shown on	this plat was plotted from field
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ENERGY AND MINERALS DEPA		CONSERVATI	owniateter.	Form C-10	
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	N FOR PERMIT TO	DRILL, DEEPEN,	OR PLUG BACK		
1a. Type of Work				1 ^ -	reement Namo
b. Type of Well DRILL X) tip.	DEEPEN	PLUG B		BBS (G/SA) UNIT
OIL X WELL	OTHER		SINGLE XX MULT	SECTI	ON 29
2. Name of Operator	14.		. ::	9. Well No.	
SHELL OIL COMPAN' 3. Address of Operator	Υ	•		242	md Pool, or Wildcat
P. O. BOX 991, H	OUSTON TEVAS 7	7001	•		(G/SA)
4. Location of Well		3.00	EET FROM THE SOUTH	Line	Million III
•					
AND TELT FROM	THE WEST LI	NE OF SEC. 29	wr. 18-5 rec. 38	12. County	TTT:
				LEA	
			<i>HHHHHHH</i>	Minthill	
		(((((((((((((((((((((((((((((((((((((((9. Proposed Depth 1	GRAYBURG/	20. Rotay or C.T. ROTARY
11. Elevations (Show whether DF)	KT, etc.) 21A. Kins	& Sictus Plug. Bond 2	4330	SAM MMDVFS	ox. Date Work will start
3638.0' GL	i	ANKET	UNKNOWN	. .	ON APPROVAL
23.		PROPOSED CASING AND	CEMENT PROGRAM		•
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	54.5#	40'	50 SX	SURFACE
12-1/4"	8-5/8"	24#	1710'	850 SX	SURFACE
7-7/8"	5-1/2"	14#	4350'	500 SX	1500'
BOP PROGRAM: 3,00	O# REGULAR SERV	ICE, 3,000# 10"	DOUBLE RAM PREVI	ENTER.	
			•1		
IN ABOVE SPACE DESCRIBE PE	ROPOSED PROGRAMI IF	PROPOSAL IS TO DEEPEN O	T PLUC BACK, GIVE DATA ON	PRESENT PRODUCTIVE ZO	NE AND PROPOSED NEW PRODUC
hereby certify that the Informati	on above is true and con	plete to the best of my kr	pwiedge and belief.		·
() / X	1 /2 1 FORE	CHDEBUTCOE	ם מכלוו מדכרי מי הי	FDMITC - OCT	OBER 27. 1983
Signed W.N. allow	A. J. FORE	Tule SUPERVISOR	REGULATORY & PI	RMITS Date OCT	ODEK 71, 1783
(This space for	State Use)				
		•			
APPROVED BY		_ TITLE		DATE	

CONDITIONS OF APPROVAL, IF ANYI

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Post in the

Form C-102 Supersedes C-128 Effective 1-1-55

·	All dist	ances must be f	rom the out	er boundaries o	f the Section.		
SHELL	OIL CO		Lease	и н	U	·	29-242
Unit Letter Sect	ion Township		Hang	e	County		
		SOUTH	38	EAST	LE	Α	
Actual Footage Location						ŧ-	:
	t from the SOUTH	line and	1400	te	et from the	WEST	line
Ground Egyel Elev. 3638.0	Froducing Formation	NDDEC	Pool	C/CDAVBUD	C / C 8 N	DDEC)	Dedicated Acreage:
	GRAYBURG/SAN A			S (GRAYBUR			40 Acres
1. Outline the act	reage dedicated to th	e subject we	ell by col	lored pencil	or hachure	marks on the	e plat below.
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		d to the well	, outline	each and id	entity the	ownership th	ereof (both as to working
interest and ro	yaity).						•
3. If more than on	e lease of different o	wnershin is	ledicated	l to the well	have the i	interests of	all owners been consoli-
	mitization, unitization	•					an owners men conson-
,							
XX Yes	No If answer is	"yes!" type o	f consoli	dation	- 1. The second	UNITIZATI	ON
		-			ř		
		nd tract desc	riptions v	which have a	ctually be	en consolida	ted. (Use reverse side of
this form if nec	•					<u> </u>	
							nunitization, unitization,
	or otherwise) or until a	non-standare	d unit, el	iminating su	ch interest	s, has been	approved by the Commis-
sion.				· .	* * * * * * * * * * * * * * * * * * * *		
	1	T		i .			CERTIFICATION
	1			1			
			بالمسلا فسنا	استان معارف استان استان استان ا		I hereby co	ertify that the information con-
		19	reici)			1	ein is true and complete to the
	1	3.27	()	<u> </u>		best of my	knowledge and belief.
		Sign	naī	3 1 1983		_	
	1	الله الم					
	+	OIL	CONSE	RVATION DIV	4SION-	XXX	Ecoser A. J. FORE
	1-20-6		S/	NTA FE		a osition	7 7. 0. 1011
	1		• ′ .	l .	4	SUPERVIS	OR REG. & PERMITTING
				1		Com; my	
				 		SHELL OI	L COMPANY :
						Date (Car)	
						OCTOBER_	27, 1983
The March	1	 					
						I hereby	certify that the well location
	1			· · · · · · · · · · · · · · · · · · ·			this plat was plotted from field
,	1		: د مین سیستند مسد	l f		1	actual surveys made by me or
İ		1	ENGINE		1	under my s	supervision, and that the same
,		1/2	STAT			is true or	nd correct to the best of my
	1		/ *	7 19	١.	knowledge	and belief.
	+	+ 1131	67	1, 一一怪			
·	1	발	0,	10 15	<u> </u> ;	-	
		/ //	Tobs A	راه / امر ا	7	Date Surveye	
	1		1 1 1 M	IEX /			-13-83
		1	W KIND	V1:31		"Registered P and/or Land	rofessional Engineer Surveyor
			The same of the sa	L			1. 1.11
1400	TP 0			 			malshed
Market store	ritternes services	in the second se	-imagement	Property Newscond		Centilicate N	O JOHN W WEST, 676
9 330 660 /90 1	320 1660 1980 2310 26	340 2000	1500	1000 1	, soo (-	1	RONALD J. EIDSON, 3239

STATE OF NEW ME			*:			r'	
ENERGY AND MINERALS DEF	PARTMENT	OILC		ON DIVISION		orm C-101	
DISTRIBUTION			P. O. BOX 2		/ T = - T T N_	levised 10-1	
SANTA FE		SAN	TA FE, NEW M	cixi colease our 177	4	F	ype of Louise
FILE				134		ITATE) rec (XX)
U.S.C.S.				16-00T31-190	33 -	. State OII &	Gas Loaco No
LAND OFFICE				-44			
OPERATOR	_			OIL CONSERVATION	DIVISION	MATTI	
APPLICATI	ON FOR PE	RMIT TO [OR PLUG SANTKA FE			
. Type of Work						7. Unit Agreen	nent Name
fv	- 					N HORE	SS (G/SA)_UNIT
. Type of Wall	<u>.</u> ∆\ ∵ :	J	DEEPEN 🗌	PLUG B	ACK	3. Farm or Lea	
WELL X WELL	` ```			SINGLE X MULT	IPLE	SECTION	1 20
Name of Operator	ОТНО			ZONE [A]		SECTION	1 30
,	TA ₁	•		. 1	1	•	A most w
SHELL OIL COMPA	(IN Y					312	Pool, or Wildcat
•					. '		
P. O. BOX 991,						HOBBS (G/SA)
Location of Well Unit LET	TER G	LOCAT	1392	EET FROM THE NORTH	LINE	///////	
						////////	
• 2477 FEET FRO	W THE EAST	LINE	or sec. 30 T	wp. 18-5 pcc. 38-		7777777	77777777
	!!!!!!!!	///////				2. County	
77/////////////////////////////////////						LEA	
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		////////			////////	1111111	//////////////////////////////////////
	7777777	111111	11111111	9. Proposed Uspth 19	GRAYBU	$\frac{1}{2}$	D. Rotury or C.T.
				4350'	SAN AND	ŘFS	ROTARY
Elevations (Show whether D	F, KT, etc.)	21A. Kind &	Status Plug. Bond 2	11B. Drilling Contractor	<u></u>	22. Approx. I	Date Work will start
3652.9' GL		BLAN	VKFT 1	UNKNOWN		UPON	APPROVAL
			OPOSED CASING AND				
			· · · · · · · · · · · · · · · · · · ·		· []]]]]]		
SIZE OF HOLE	SIZE OF			SETTING DEPTH			EST. TOP
<u>17-1/2"</u>	13-3/		54.5#	40'		SX	SURFACE
12-1/4"	8-5/		24#	1710'	850		SURFACE
7-7/8"	5-7,	/2"	14#	4350'	500	SX	1500'
						•	
DOD DOGODAL							
BOP PROGRAM: 3	3,000# REGI	JLAR SERV	VICE, 3,000# 1	O" DOUBLE RAM PRI	EVENTER.	រុំការ ទៅកណ្ដី	
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LBOVE SPACE DESCRIBE F	PROPOSED PRO	GRAM: IF PR	OPOSAL IS TO DEEPEN O	M PLUG BACK, GIVE DATA ON	PRESENT PROG	UCTIVE ZOHE A	NO PROPUSED NEW PROD
ZGHE. GIVE BLOWOUT PREVEN	TER PROGRAM, 1	F AHY.					
reby cortify that the informa-	F/D		ete to the best of my ki		••		
ngo IXI Varva	, A. J.	FORE	Tile_SUPERVISO	R REG. & PERMITS	De	octobi	ER 27, 1983
(This space to	(State Use)						
		e .					
PROVED BY			TITLE		D.	LTE	
NOITIONS OF APPROVAL.	IF ANYI					•	

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

							
SHELL (OIL CO.	-	Le	N H U			30-312
That Letter G	Section 30	Township 18 S	OUTH	Bange 38 EAST	: Cour	LEA	
Actual Footage Loc 1392		ORTH	line cond	2477	feet from	EAST	line
3652.9	Rroducing Fo GRAYBU	rmation RG/SAN AN	DRES		AYBURG/S	AN ANDRES)	Dedicated Acreage: 40 Acres
1. Outline th	e acreage dedica			by colored pe	ncil or had	hure marks on th	ne plat below.
2. If more th interest ar		dedicated	to the well, o	utline each a	nd identify	the ownership th	nereof (both as to working
dated by c	ommunitization, No If a	unitization, inswer is "y	force-pooling.	etc?		UNITIZATI	
this form i	necessary.)		·				ated. (Use reverse side of
			A CONTRACTOR OF THE CONTRACTOR				munitization, unitization, approved by the Commis-
CONSE S	RVATION DIVISION ANTA FE	S Course activated by	REG. PR.	NEER ON OF THE STATE OF THE STA	CURVEYOR	I hernby shown on notes of under my is true of knowledge.	9-22-83 Professional Engineer

STATE OF NEW MEXIC			•			
ENERGY AND MINERALS DEPAR	RTMENT OIL		ION DIVISION	•	Form C-101 Revised 10	-1-78
DISTRIBUTION		P. O. BOX : NTA FE, NEW M				Type of Lease
SANTA FC	3^	MIX FE, NEW M	ILXICO 07301	•	BYATE [
FILE U.S.G.S.				•	.5. State Oil	6 Gas Louco No.
LAND OFFICE	+-					errandarian errandarian errandarian errandarian errandarian errandarian errandarian errandarian errandarian er
OPERATOR						
APPLICATIO a. Type of Work	N FOR PERMIT TO	DRILL, DEEPEN	, OR PLUG BACK	····	7. Unit Agre	TITITITITI
					1	BS (G/SA) UNIT
b. Type of Well DRILL X		DEEPEN []	PLUG	BACK	B. Farm or L	
OIL X GAS WELL	OTHER		SINGLE XX	ZONC	SECTIO	N 33
2. Name of Operator	4	•	:		9. Well No.	
SHELL OIL COMPANY	(142	
Address of Operator						d Pool, or Wildcut
P. O. BOX 991, HO	DUSTON, TEXAS /		COUTH	1	HOBBS	(G/SA)
. UNIT LETTE	.n Lo	1250 ·	FEET FROM THE SOUTH	LINC		
AND 185 FEET FROM	THE WEST LI	NE OF SEC. 33	TWP. 18-5 RCE. 3	18-F NUEW		
				mm	12. County	
					LEA	
			19. Proposed Depth	194 Formatio	7777777	20. Hotay of C.T.
			4350'	GRAYI SAN AI	SURG/	ROTARY
.1. Elevations (Show whether Dr.	KI, etc.) 21A. Kind	& Status Plug. Bond	21B. Drilling Contractor	JAN AI	22. Approx	. Date Work will start
3635.1' GL	BL	.ANKET	UNKNOWN		UPON	APPROVAL
23.	1	PROPOSED CASING AN	D CEMENT PROGRAM		,	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING DEPTH	SACKS OF	FCEMENT	EST. TOP
17-1/2"	13-3/8"	54.5#	40'	50	D_SX	SURFACE
12-1/4"	8-5/8"	24#	1710'		0_SX	SURFACE
7-7/8"	5-1/2"	14#	4350'	500	o sx	1500'
BOP PROGRAM: 3,0	000# REGULAR SE	RVICE. 3.000# D	OUBLE RAM PREVEN	TER-		-
				Listin	記载的於	
				8.00		
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Carrier Bayers				CONCE	COVACTION OF	
				DIL CONSE	ANTA FE	DIVISION
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		e de la companya del companya de la companya del companya de la co			• • •	•
A ABOVE SPACE DESCRIBE PR	OPOSED PROGRAM: IF	PROPOSAL IS TO DEEPEN	OR PLUC BACK, GIVE DATA O	H PRESENT PA	ODUCTIVE ZONI	C AND PROPOSED NEW PHOS
hereby certify they the information	on above is true and com	plete to the best of my	knowledge and bellef.			
Q > / X	fn	,			OCT/	1001
ioned IX// Course	'A. J. FORE	τωι SUPERVISOR	REG. & PERMITTI	NG	Date _ULI	OBER 27, 1983
(This space for	State Use)			•		
		,	•	,		
PPROVED BY		_ TITLE			DATE	

RONALD J. EIDSON,

		All distances must	be from the out	er boundaries of	the Section		
Operator	OIL CO.	sates and the sates are and the sates and the sates and the sates and the sates and th	Lease	NHU	-		33-142
Unit Letter L	Section 33	Township . 18 SOUTH	Famo	38 EAST	County	LEA	
Actual Footage Loca	tion of Well:	SOUTH line	. 185) te	et from the	WEST	hne
Ground Level Elev. 3635.1	Producing For	RG/SAN ANDRES	Foot HOBE	BS (GRAYBU		NDRES)	Dedicated Acreage: 40 Acres
1. Outline the		ted to the subjec		•			e plat below.
interest and a second s	one lease of dommunitization, to the lease of dommunitization, to the lease of dommunitization, to the lease of dommunitization, to the lease of domestic do	ifferent ownership initization, force-passwer is "yes," ty owners and tract of the total total total total total total total to the well until	is dedicated ooling, etc? pe of consolidescriptions l all interest	dationwhich have a	have the in UNIT ctually bee	IZATION n consolidated (by com	all owners been consoli- ated (Use reverse side of munitization, unitization, approved by the Commis-
sion.	1		SEG	anv.	Control of the Contro		CERTIFICATION
			OIL CONSE	3 1 1983 RVATION DIV	/ISION	tained her	ertify that the information con- rein is true and complete to the knowledge and belief.
						SUPERVIS	OR REG. & PERMITTING
						SHELL OI Pole OCTOBER	L COMPANY 27, 1983
			ENG!	NEER & CA		shown on	certify that the well location this plat was plotted from field actual surveys made by me or
2 185'	· · · · · · · · · · · · · · · · · · ·		- LEG. P.80	676	SUMMET OF	is true a	supervision, and that the same and correct to the best of my and belief.
-200-	1 1 1 1			May CO		Date Survey	ed 9-22-83 Professional Engineer
21	 			! 		and or Land	
0 330 000	0 1320 1650 198	0 2310 2640	2000 1500	1990	300	Certificate 1	NO JOHN W. WEST, 676 RONALD J. EIDSON, 3239

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660

1320 1650

1980 2310 2640

2000

1500

.1000

STATE OF NEW MEXICO		CONSERVAT	ION DIVISION		Form C-101 Revised 10	
DISTRIBUTION SANTA FE	SA.	NTA FE, NEW N			SA. Indicate	Type of Louse
U.S.G.S.				•	. S. State Oil	& Gas Louce No.
APPLICATION 10. Type of Work	FOR PERMIT TO	DRILL, DEEPEN	, OR PLUG BACK			
b. Type of Well DRILL X		DEEPEN	PLUG	васк 🔲		BBS (G/SA) UNIT
WELL X WELL	отнея		SINCLY W	LTIPLE	SECTIO	•
2. Name of Operator	tus _e				9. Well No.	^
SHELL OIL COMPANY 3. Address of Operator					233 10. Field cm	2 Pool, or Wildcat
P. O. BOX 991, HO	USTON, TEXAS 77	001	• •		HOBBS	(G/SA)
4. Location of Well Unit Letter	KLoc		FEET FROM THE SOUTH	LINC		
AND 2472 FEET FROM T	HE WEST	e or sec. 33	TWP. 18-5 RCC. 38	B-E www		
					12. County	
				19A. Formation	BURG(20. Rotary or C.T.
.l. Elevations (Show whether DF, K	(T, etc.) 21A. Kind	& Status Plug. Band	4350¹ 21B. Drilling Contractor	SAN AI	22. Approx	ROTARY Date Work will start
3638.8' GL	В	LANKET	UNKNOWN		UPON	<u> APPROVAL</u>
23.	P	ROPOSED CASING AN	D CEMENT PROGRAM			
			T SETTING DEPTH			EST. TOP
17-1/2"	13-3/8" 8-5/8"	54.5# 24#	40' 1710'		50 SX 50 SX	SURFACE SURFACE
7-7/8"	5-1/2"	14#	4350'		00 SX	1500'
BOP PROGRAM: 3,00	00# REGULAR SER		O" DOUBLE RAM PR	EVENTER.		
					द्धार	William
					CF311	983
				OIL CON	SERVATIO	N DIVISION
	•		* .u		• • •	
N ABOVE SPACE DESCRIBE PROJECT CONE. GIVE BLOWOUT PREVENTER	POSED PROGRAMITE P PROGRAM, IF ANY,	ROPOSAL IS TO DEEPEN	OR PLUG BACK, GIVE DATA G	H PRESENY PRO	DUCTIVE ZONE	AND PROPOSED NEW PRODUC
hereby certify that the information	bove is true and compl		•		Λοτοι	DED 27 1002
(This space for Sic	/ A. J. FORE	Tile_SUPERVISO	R REG. & PERMITT	ING	Date UCIUE	BER 27, 1983
Decrete by	,					

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

SHELL OIL CO. Unit Letter Section Township Range County K 33 18 SOUTH 38 EAST LEA	3
Jo Doolin Jo Mill Mill	
Actual Footage Location of Well:	
2380 feet from the SOUTH line and 2472 feet from the WEST line	
Ground Level Elev. Producing Formation Pool Dedicated Acreage 3638.8 GRAYBURG/SAN ANDRES HOBBS (GRAYBURG/SAN ANDRES) 40	
3638.8 GRAYBURG/SAN ANDRES HOBBS (GRAYBURG/SAN ANDRES) 40 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.	Acres
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners bee dated by communitization, unitization, force-pooling, etc? X Yes No If answer is "yes," type of consolidation	n consoli-
No allowable will be assigned to the well until all interests have been consolidated (by communitization, u	
forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the	
sion.	
CERTIFICATION I hereby certify that the infortained herein is true and corbest of my knowledge and best of the knowledge.	rmation conneplete to the lief. 2 . J. FORE ERMITTING
Date Surveyed OCTOBER 21, 1983 Registered Professional Engine and/or Land Surveyor	eer A
Centificate No. John W. WES 9 330 860 '90 1320 1650 1950 2010 2640 2000 1800 1000 800 0 PONALD J. EID	•

OIL CONSERVATION DIVISION DISTRICT 1



OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW DEXICO 87501

DATE	Sept. 30, 1983
RE:	Proposed MC Proposed DHC Proposed NSL xx Proposed NSP Proposed SWD Proposed WFX Proposed PMX
c. 24	#412-A 24-18-37

Gentlemen:

· I have examined the application for the:

Sec. 29 #242-N 29-18-38 Sec. 30 #312-G 30-18-38

Shell Oil Company

Sec. 33 #142-L 33-18-38

Operator

· Lease and_Well

Sec. 33 #233-K 33-18-38 R

and my recommendations are as follows:

Shell's app	lication for u	unorthodox 1	locations of	f the above	wells in	the ·
North Hobbs	G/SA Unit med	ets with my	approval.	•		

North Hobbs G/SA Ut

Yours very truly,