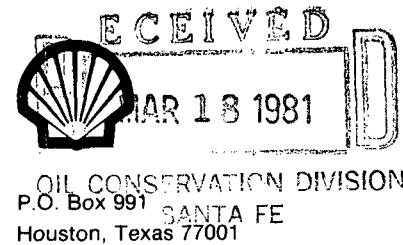


Shell Oil Company

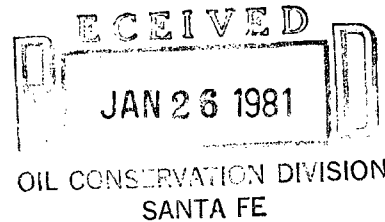


January 21, 1981

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

Gentlemen:

SUBJECT: SHELL NORTH HOBBS G/SA UNIT
LEA COUNTY, NEW MEXICO



Shell Oil Company requests approval of the amended location for the following well. The original location was approved by Administrative Order NSL-1194 and a subsequent location change was approved by an amendment to the above order. However, it was necessary to move the location again for various surface obstacles.

<u>Original Location</u>	<u>1st Amended Location</u>	<u>Reason For Change</u>
Sec. 28, Well No. 422 Unit Letter H 2288' FNL and 247' FEL Lea County, New Mexico	(Approved 12/15/80 - Administrative Order NSL-1194) Sec. 28, Well No. 422 Unit Letter H 2288' FNL and 407' FEL Lea County, New Mexico	
	<u>2nd Amended Location</u> Sec. 28, Well No. 422 Unit Letter H 2199' FNL and 772' FEL Lea County, New Mexico	Moved 89' North and 365' West because of power lines and buildings and to accomodate the surface owner's use of the land.

We would appreciate your earliest consideration of our request.

Yours very truly,


A. J. Fore
Supervisor Regulatory and Permitting
Mid-Continent Division

RML/bl

cc: New Mexico Oil Conservation Commission - Hobbs, NM

Shell Oil Company



P.O. Box 991
Houston, Texas 77001

January 21, 1981

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

Gentlemen:

SUBJECT: SHELL NORTH HOBBS G/SA UNIT
LEA COUNTY, NEW MEXICO

Shell Oil Company requests approval of the amended location for the following well. The original location was approved by Administrative Order NSL-1194 and a subsequent location change was approved by an amendment to the above order. However, it was necessary to move the location again for various surface obstacles.

<u>Original Location</u>	<u>1st Amended Location</u> (Approved 12/15/80 - Administrative Order NSL-1194)	<u>Reason For Change</u>
Sec. 28, Well No. 422 Unit Letter H 2288' FNL and 247' FEL Lea County, New Mexico	Sec. 28, Well No. 422 Unit Letter H 2288' FNL and 407' FEL Lea County, New Mexico	
	<u>2nd Amended Location</u>	
	Sec. 28, Well No. 422 Unit Letter H 2199' FNL and 772' FEL Lea County, New Mexico	Moved 89' North and 365' West because of power lines and buildings and to accomodate the surface owner's use of the land

We would appreciate your earliest consideration of our request.

Yours very truly,

A. J. Fore
A. J. Fore

Supervisor Regulatory and Permitting
Mid-Continent Division

RML/bl

cc: New Mexico Oil Conservation Commission - Hobbs, NM

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED
MAR 18 1981
Form C-102
Supersedes C-128
Effective 1-1-65

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

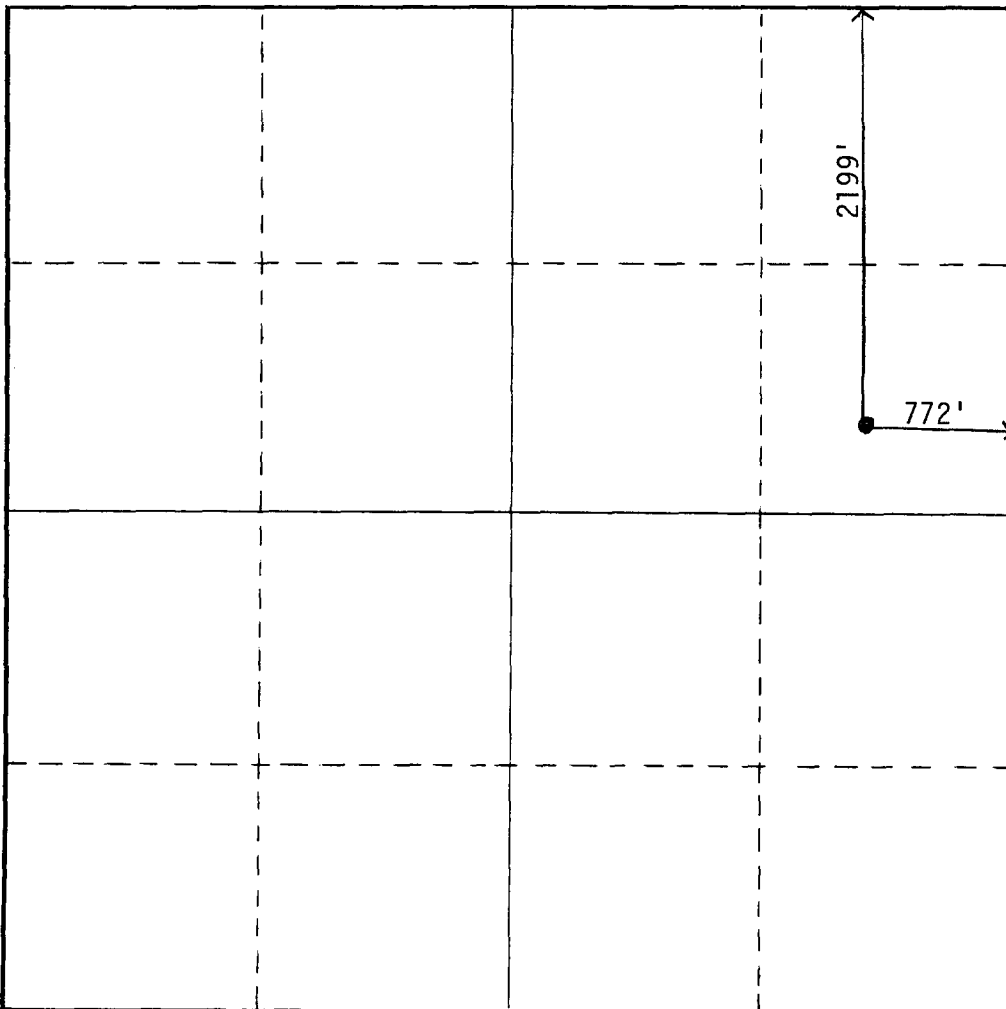
Operator SHELL OIL COMPANY			Lease NORTH HOBBS UNIT			Well No. 422
Unit Letter H	Section 28	Township 18 South	Range 38 East	County Lea		
Actual Footage Location of Well: 2199 feet from the North line and 772 feet from the East line						
Ground Level Elev. 3635.12' GR	Producing Formation G/SA		Pool Hobbs (G/SA)		Dedicated Acreage: 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 Unitization

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

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

Name M. Beaman for A.J. Fore

Position
Supervisor Regulatory & Permits

Company
Shell Oil Company

Date
January 21, 1981 (Amended)

I hereby 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.

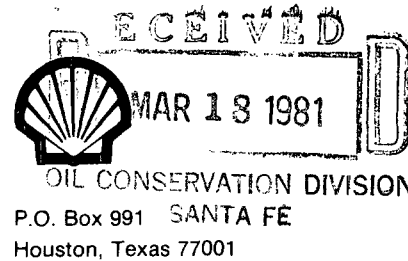
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

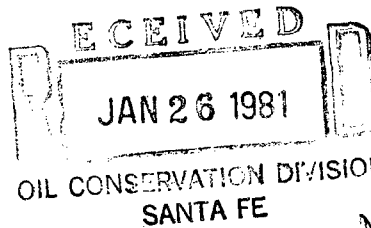
0 330 660 '90 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Shell Oil Company



January 20, 1981

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



*NSL 1194
Amend ment No 2
Immediate*

Gentlemen:

SUBJECT: SHELL NORTH HOBBS G/SA UNIT
LEA COUNTY, NEW MEXICO

Shell Oil Company requests approval of the amended location for the following well. The original location was approved by Administrative Order NSL-1194; however, it was necessary to move the location to accomodate the surface owners's use of the land.

ORIGINAL LOCATION

Sec. 20, Well No. 233
Unit Letter K
1850' FSL and 1850' FWL
Lea County, New Mexico

AMENDED LOCATION

1850' FWL and 1610' FSL

We would appreciate your earliest consideration of our request.

Yours very truly,

A. J. Fore
Supervisor Regulatory and Permitting
Mid-Continent Division

RML/b1

cc: New Mexico Oil Conservation Commission - Hobbs, NM

*Note
Two letters
Two wells*

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

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

MAR 18 1981

All distances must be from the outer boundaries of the Section

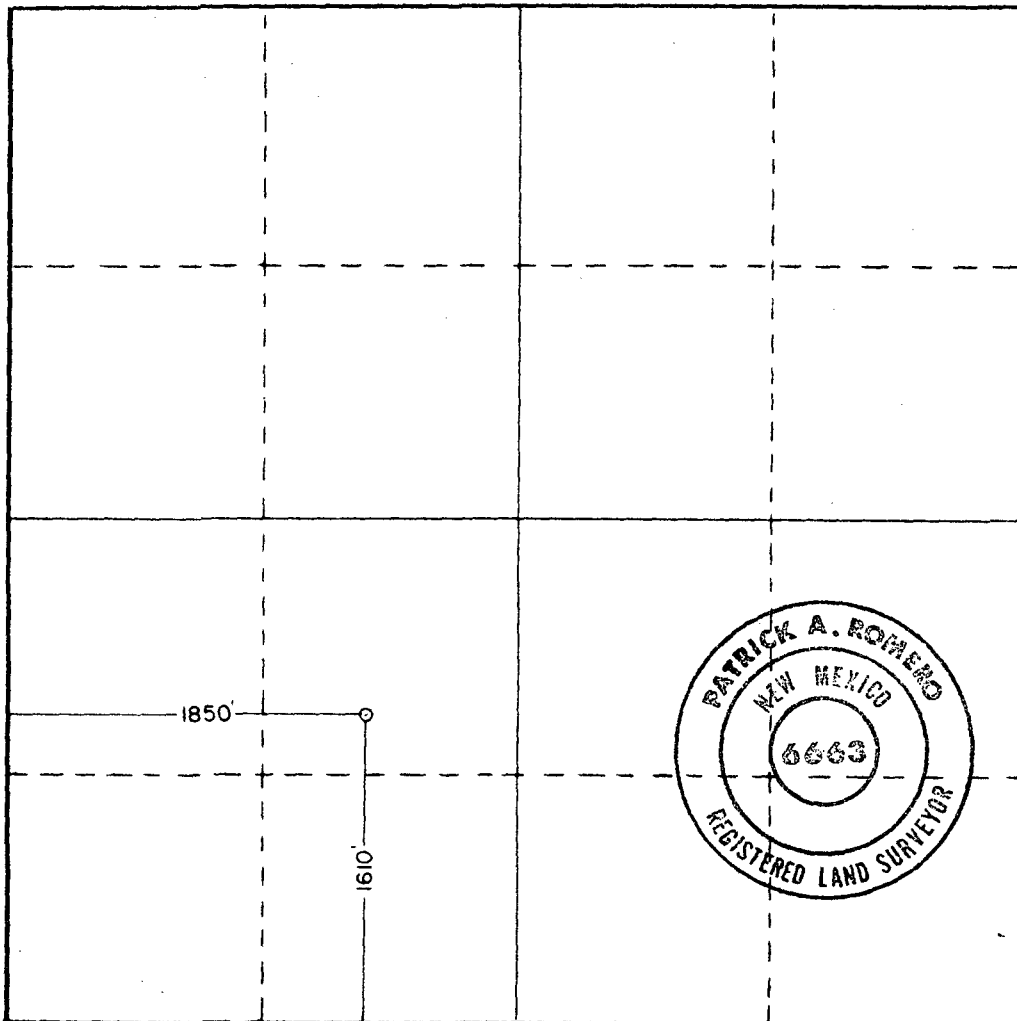
Operator Shell Oil Company			Lease North Hobbs Unit			Well No. 283		
Unit Letter K	Section 20	Township 18South	Range 38East	County Lea				
Actual Footage Location of Well: 1610 feet from the South line and 1850 feet from the West line								
Ground Level Elev. 3647.7'	Producing Formation (G/SA)		Pool Hobbs (G/SA)			Dedicated Acreage: 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 Unitization

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

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

Name A.J. Fore

Position
Supervisor Regulatory & Permits

Company
Shell Oil Company

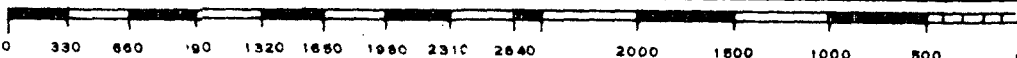
Date
January 20, 1981

I hereby 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
Dec. 4, 1979

Registered Professional Engineer and/or Land Surveyor
Patrick A. Romero

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6663
Ronald J. Eidson 3239



Click

*Amend
NSL 1194
Immediate*



P.O. Box 991
Houston, Texas 77001

November 19, 1980

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

RECEIVED
DEC 11 1980
OIL CONSERVATION DIVISION
SANTA FE

*Bucky Lesemann
713 932
5436*

Gentlemen:

SUBJECT: SHELL NORTH HOBBS G/SA UNIT
LEA COUNTY, NEW MEXICO

Shell Oil Company requests approval of the amended locations for the following wells. The original locations were approved by Administrative Order NSL-1194; however, it was necessary to move the locations because of various surface obstacles.

<u>Original Location</u>	<u>Amended Location</u>	<u>Reason for Change</u>
Sec. 19, Well No. 142 Unit Letter M 1300' FSL and 1300' FWL Lea County, New Mexico	1200' FSL and 1300' FWL <i>19-18-38</i>	Moved 100' south to accomodate stock pile and fence problems.
Sec. 28, Well No. 422 Unit Letter H 2288' FNL and 247' FEL Lea County, New Mexico	2288' FNL and 407' FEL <i>28-18-38</i>	Moved 160' west; trailer house moved onto original site.
Sec. 32, Well No. 212 Unit Letter C 1120' FNL and 1370' FWL Lea County, New Mexico	<i>Danger well no.</i> Sec. 32, Well No. 222 Unit Letter F 1720' FNL and 1370' FWL <i>32-18-38</i>	Moved 600' south; original site would interfere with daily operations of Sonny's Oil Field Service.
Sec. 33, Well No. 322 Unit Letter G 1435' and 1670' FEL Lea County, New Mexico	1385' FNL and 1820' FEL <i>33-18-38</i>	Moved 50' north and 150' west; original site interferred with a school playground.

Please advise if additional information is required.

Yours very truly,

A. J. Fore

A. J. Fore
Supervisor - Regulatory and Permitting
Mid-Continent Division

RML/bl

RECEIVED
NOV 24 1980
OIL CONSERVATION DIVISION
SANTA FE

cc: New Mexico Oil Conservation Commission - Hobbs, NM

Shell Oil Company



P.O. Box 991
Houston, Texas 77001

April 29, 1980

New Mexico Energy and Minerals Department
Oil Conservation Division
ATTN Mr. Joe D. Ramey, Director
P. O. Box 2088
Santa Fe, NM 87501

SUBJECT: DEVELOPMENT PLAN REVISION
NORTH HOBBS (G-SA) UNIT
PRESSURE MAINTENANCE PROJECT
HOBBS (G-SA) FIELD
LEA COUNTY, NEW MEXICO

Gentlemen:

We have attached a revised tabulation of those wells we propose to drill for injection and to convert to injection along with a plat showing their location. We have also attached well schematics and logs for those well conversions not previously presented to the Oil Conservation Commission in October 1979. These changes are proposed:

- 1) because of ongoing discussions with Amoco intended to develop a line agreement compatible with development of both units
- 2) to implement an agreement with Moranco and
- 3) to improve the recovery efficiency of the North Hobbs (G-SA) Unit Pressure Maintenance Project.

We are requesting administrative approval of these changes.

Very truly yours,

A handwritten signature in dark ink, appearing to read "W. W. Dover", written over a horizontal line.

W. W. Dover
Division Production Manager
Mid-Continent Division

RWP:glw

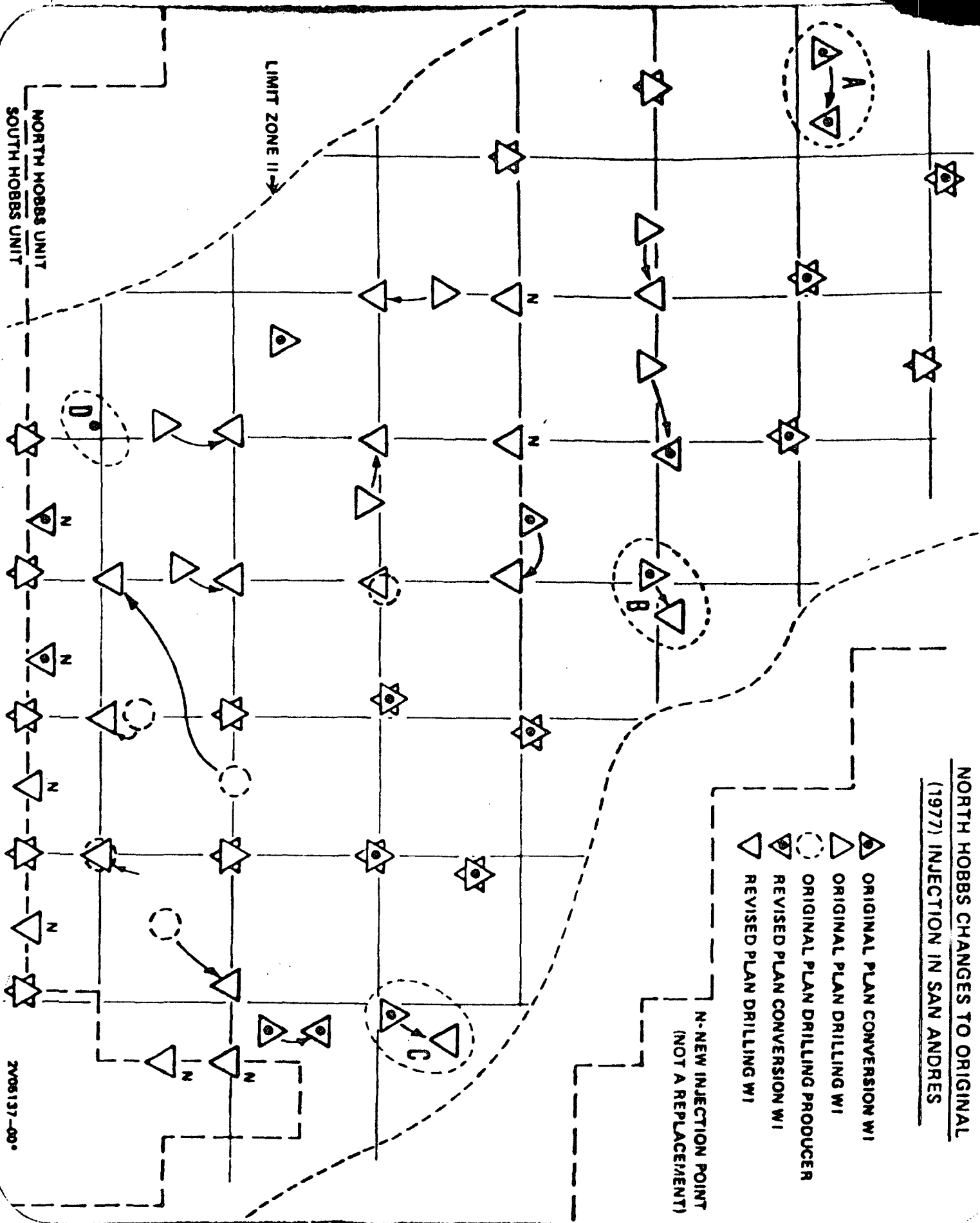
Attachments

cc - Jerry Sexton
Supervisor, District I
Hobbs, NM

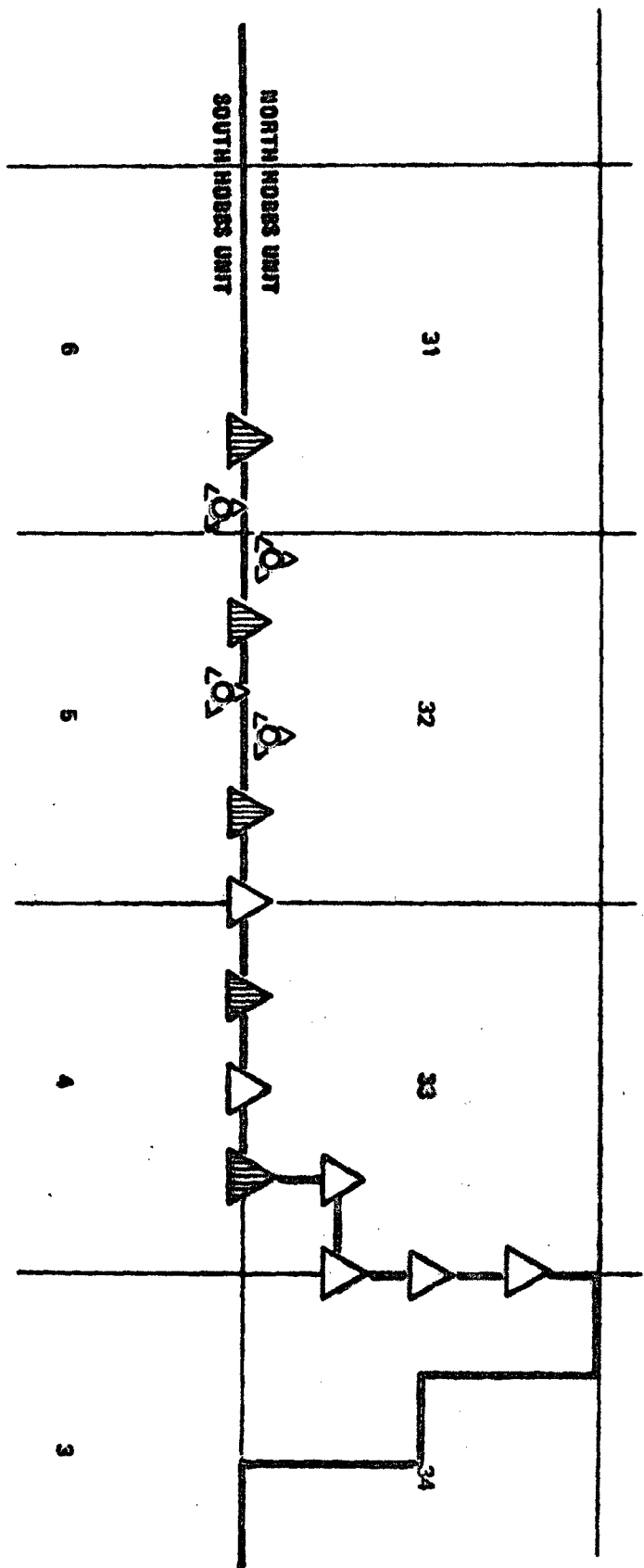
NORTH HOBBS CHANGES TO ORIGINAL (1977) INJECTION IN SAN ANDRES

- ▲ ORIGINAL PLAN CONVERSION W1
- △ ORIGINAL PLAN DRILLING W1
- ORIGINAL PLAN DRILLING PRODUCER
- ◀ REVISED PLAN CONVERSION W1
- ▽ REVISED PLAN DRILLING W1




N-NEW INJECTION POINT
(NOT A REPLACEMENT)



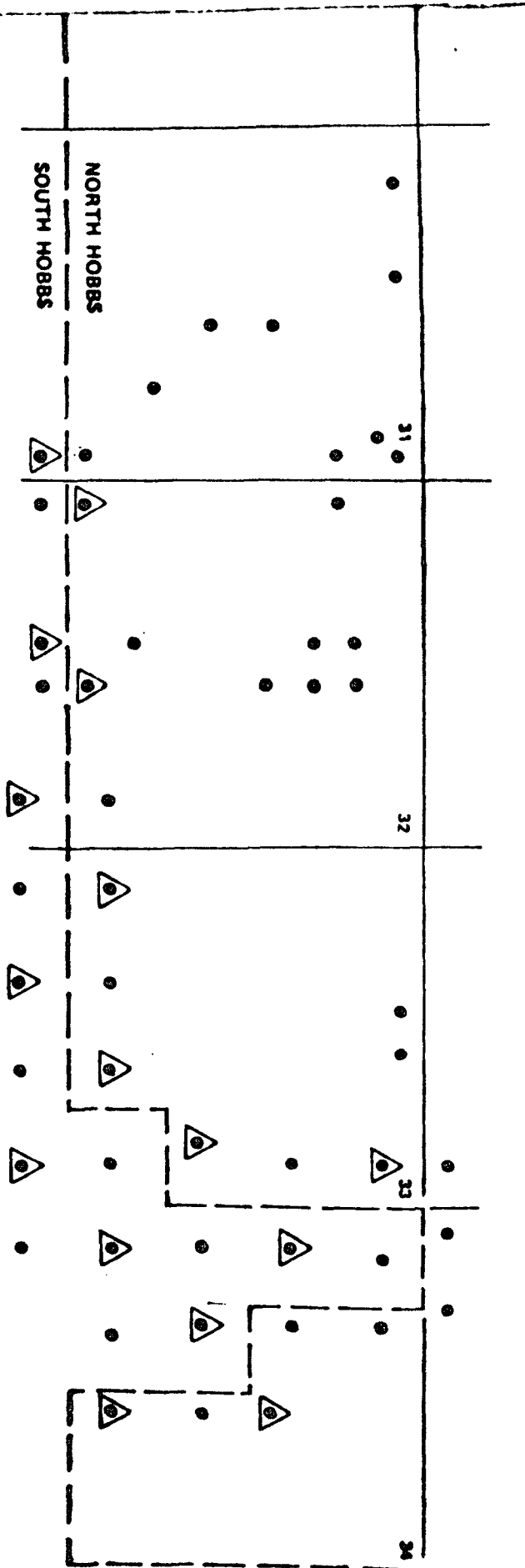
**PROPOSED
LOCATION LINE INJECTORS
BETWEEN NORTH & SOUTH HOBBS
GRAYBURG-SAN ANDRES UNITS**



LEGEND

-  **DRILL INJECTOR**
-  **CONVERT EXISTING PRODUCER TO INJECTOR**
-  **ORIGINAL PROPOSED LOCATION 1977 TECH CONM. REPORT**

POSSIBLE INJECTION WELL CONFIGURATION BETWEEN NORTH & SOUTH HOBBS UNITS



LEGEND

- △ CONVERT PRODUCER TO INJECTOR
- ZONE II PRODUCERS

SHELL ET AL NORTH HOBBS (G-SA) UNIT
PROPOSED CONVERSIONS
TO INJECTION

TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMPM

<u>Section</u>	<u>Well No.</u>	<u>Letter</u>	<u>Former Well Name and No.</u>
13	141	M	Conoco State B-13 #2
13	221	F	Conoco State B-13 #4
13	431	I	Shell Rice #3
13	331	J	Shell Rice #4
14	231	K	Amerada State WHB #2
14	321	G	Getty State B #2
14	341	O	Amerada State WHB #1
14	431	I	Texas Pacific State V #1
23	121	E	C&C Operating Corp. Shipp A #1
23	211	C	Texas Pacific State V #3
23	231	K	Texas Pacific State V #5
23	321	G	Shell State F #2
23	341	O	Yates Shell State #3
23	411	A	C. H. Sweet State F #1-A
23	431	I	C. H. Sweet State F #3
24	121	E	Amerada State E #1
24	311	B	Gulf Graham State A #4
25	121	E	Samedan State B #2
25	231	K	Exxon New Mexico A State #6
25	341	O	Exxon New Mexico A State #5
25	431	I	Exxon New Mexico A State #1
26	411	A	Getty Hobbs E #1
36	211	C	Gulf Holt NCT-D #1
36	321	G	Amerada State C #3
36	411	A	Amerada State C #1

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM

<u>Section</u>	<u>Well No.</u>	<u>Letter</u>	<u>Former Well Name and No.</u>
17	131	L	Chevron State 17 #1
18	131	L	Amerada Hardin #3
18	141	M	Amerada Hardin #1
18	311	B	Gulf Hardin #7
18	331	J	Gulf Hardin #5
18	341	O	Gulf Hardin #9
18	421	H	Gulf Hardin #6
19	112	D	Cities Service Hardin #5
19	311	B	Getty Hardin #3
19	411	A	Getty Hardin #4
19	431	I	Shell McKinley A #10
20	331	J	Bill Sweet Bowers B #2-A
20	421	H	C. H. Sweet McKinley B #2
21	331	J	Antweil Hobbs Cone Townsite #1
27	111	D	Shell Sanger #6

<u>Section</u>	<u>Well No.</u>	<u>Letter</u>	<u>Former Well Name and No.</u>
28	111	D	Atlantic Grimes SOC #3
28	221	F	Atlantic Grimes SOC #2-Y
28	231	K	Shell Grimes #3
28	441	P	Conoco Grimes #2
29	331	J	Conoco State A-29 #1
29	411	A	Exxon Grimes #1
30	141	M	Marathon State 30 #9
31	121	E	Sun Fowler #4
31	141	M	Mobil Berry #4
31	311	B	Cities Service Fowler #2
32	141	M	Gulf Grimes NCT A-2 #5
32	341	O	Marathon State 32 #5

AVAILABLE LOGS FOR PROPOSED INJECTORS NOT PREVIOUSLY PRESENTED:

Amerada Hardin #3
Gulf Graham State NCT-A #4
Gulf Grimes NCT A-2 #5
Marathon State 32 #5
Shell McKinley "A" #10
Shell Rice #4

UNAVAILABLE LOGS:

Continental Grimes #2

COMPLETION INTERVAL: 4011-46' (G)

SECTION 18-L BLOCK

COUNTY Lea County, N.M.

DATUM 3676' [DF] G.L. ELEV. _____ TD 4085' PSTD 4046' [

12 1/2
@ 225'

9 5/8"
2803'

Whipstock
@ 4011'-
4025'

TD @
4085'
7" @
4134'

TD

DATA AVAILABLE

DST ☐
CORE ☐

PVT ☐
OTHER

REMARKS: 4 1/2" liner may be set @ 4011'; no record of this liner could be found in Amerada's well records.

DATE: 2/80 KLL

SECTION 24 - UNIT WELL NO. 311
 COMPLETION DATE 8-35 GULF GRAHAM STATE NCT-A NO. 4 COMPLETION INTERNAL: 4147-4290'
 RECOMPLETION DATE NORTH HOBBS (G-SA) UNIT (SA)
 LOCATION 660' FNL & 1980' FEL SECTION 24-B BLOCK
 SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.
 DATUM 3674' [DF] G.L. ELEV. TD 4290' PBD

CASING RECORD						*CALCULATED AT 50% EFFICIENCY	LOGGING RECORD			
SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE	DATE	CO.	TYPE	INTERVAL	
13"	40#	281'	225 sx	Circ*	16"***					
9-5/8"	36#	1588'	400 sx	427*	12-1/4'***					
6-1/4"	24#	3977'	320 sx	2017*	8"***					
LOG TOPS						PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW				
ZONE	TOP	SUBSEA	DATE	ZONE	DEPTHS	DENS & SIZE				
G	3942-	268		SA II	4147-4204'	OH				
I	4038-	364		SA IIIu	4204-4290'	OH				
II	4127-	453								
IIIu	4204-	530								
SQUEEZE & REPAIR										
			DATE	DEPTH	WORK DONE					
GOC										
OWC										
STIMULATION										
DATE	ZONE	AMOUNT & TYPE			METHOD	BEFORE	AFTER			
5-35		1000g. 100% HCl			AT 3977-4230'					
8-35		3000g. 60% HCl			AT 3977-4230'					
1952		2000g. 15% NEA			AT 3977-4230'					
1968		2000g. 15% NEA			AT 3977-4230'					
1969		1000g. 15% NEA			AT 3977-4230'					
1971		2500g. 15% NEA			AT 3977-4290'					
1972		500g. 15% NEA			AT 3977-4290'					
1973		500g. 15% NEA			AT 3977-4290'					

OPT

DATA AVAILABLE

DST ☐
CORE ☐PVT ☐
OTHER ☐

REMARKS: Deepened to 4290' in 1971

DATE: 12/79 RLL

SECTION 32 - UNIT WELL NO. 141

COMPLETION DATE 9-30

GULF GRIMES NCT A-2 NO. 5

COMPLETION INTERNAL: 4158-4175
(111u)

RECOMPLETION DATE

NORTH HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FWL

SECTION 32-M

BLOCK

SURVEY T-18-S, R-38-E

COUNTY Lea County, N.M.

DATUM 3637' [-DF] G.L. ELEV.

TD 4192'

PBTD 4190'

CASING RECORD						LOGGING RECORD			
*CALCULATED AT 50% EFFICIENCY									
SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE	DATE	CO.	TYPE	INTERVAL
13-3/8"	54#	257'	200 SX	--	17" **				
9-5/8"	36#	2797'	600 SX	--	12-1/4"	**			
7"	24#	3908'	300 SX	--	8-3/4"	*			
5-1/2"	15.5#	3840' /	60 SX	--	6-1/4"	*			
liner		4192'							

LOG TOPS			PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW			
ZONE	TOP	SUBSEA	DATE	ZONE	DEPTHS	DENS & SIZE
G	3902 -	265				
I	4017 -	380	1930		*3908-4192'	OH
II	4080 -	443	1957		*4122-30	4 1/2" JPF
IIIu	4138 -	501	1957	SA IIIu	4158-4175'	4 1/2" JPF

SQUEEZE & REPAIR			
DATE	DEPTH	WORK DONE	
1957	4122-30	CR. set @ 4048'; sqz'd w/116 sx cmt.	
GOC			
OWC			

[illegible]

OPT

DATA AVAILABLE

DST ☐
CORE ☐

PVT ☐
OTHER

REMARKS: Cmtd. 5 1/2" liner in 1957

DATE: 2/79 KLL

WR-3158 B

SECTION 19 - UNIT WELL NO. 431

COMPLETION DATE 7-6-68

SHELL McKINLEY "A" NO. 10

COMPLETION INTERVAL: 4197-4238(SA)

RECOMPLETION DATE

NORTH HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 990' FEL

SECTION 191

BLOCK

SURVEY T-18-S, R-38-E

COUNTY Lea County, N.M.

DATUM 3663'

[DF]

G.L. ELEV.

TD

4286'

PBD 4251'

I

CASING RECORD *CALCULATED AT 50% EFFICIENCY

LOGGING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE	DATE	CO.	TYPE	INTERVAL
7 7/8"	26.4#	277	200 sx	Circ.	12 1/4"				
4 1/2"	10.5#	4285	435 sx		7 7/8"				

LOG TOPS

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

7.7/8"
@ 277'

ZONE	TOP	SUBSEA	DATE	ZONE	DEPTHS	DENS & SIZE
G	4022	- 359	7- 3-68	SA	*4199, 4204, 4209, 4227, 4231,	1 1/2" JSPF
SA I	4116	- 453			4238	
SA II	4192	- 529	6- 3-73	SA II	*4209, 4216, 4221, 4227, 4231,	
SA II	4261	- 598			4238	
			6- 5-73	SA I	*4176, 4180, 4184	
			6- 9-73	SA II	4209, 4216, 4221, 4227, 4231,	
					SQUEEZE & REPAIR 4238	
			DATE	DEPTH	WORK DONE	
			5-31-73	4199/4238	Sqz'd. w/250 sx. cmt.	
			6- 5-73	4176/4238	Sqz'd. w/180 sx. cmt.	
			7-23-73	4151-53	Sqz'd. w/50 sx. cmt.	
			8-30-73	4178-85	Sqz'd. w/50 sx. cmt.	
GOC						
OWC						

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
7-4-68	SA	3000g 28% HCl	AT	34 BO	36 BO
9-6-68	SA	2000g.	AT (for emulsion blk.)	63 BO	49 BO
4197-4227	6-72	500g ParaClean	AT (for skin damage)	20 BO	22 BO
	7-72	1500g Stab. NM	AT (4227-4238)	30 BO	40 BO
	8-72	2000g. 7 1/2% ERA-2	AT (for formation blk.)	11 BO	30 BO
4231	6-4-73	SA II 1200g. 15% NEA	AT - 8 stages	47 BO	50 BO
4238	6-5-73	SA I 900g 15% reg.	AT		
PBD 4 1/2"	6-9-73	SA II 250g 15% NEA	AT		22 BO
@ 4285'	6-21-73	SA II 600g	AT		45 BO
	7-19-73	SA II 600g 15% NEA	AT (4197-4204)		
TD 4286'	7-19-73	SA I 400g	AT (4151-53)		58 BO

OPT

DATA AVAILABLE

DST ☐
CORE ☐PVT ☐
OTHER

REMARKS:

DATE: 1/79 KLL

SECTION 13 - UNIT WELL NO. 331

COMPLETION DATE 7-27-57

SHELL RICE NO. 4

COMPLETION INTERNAL: 3948-4084 (G)

RECOMPLETION DATE _____

NORTH HOBBS (G-SA) UNIT

LOCATION 1980' FSL & 1980' FEL

SECTION 13 J BLOCK

SURVEY T-18-S, R-37-E

COUNTY LEA COUNTY, N.M.

DATUM 3678' [] G.L. ELEV. TD 4243' PSTD 4090' [Cmt.ret]

[illegible]

OPT

DATA AVAILABLE DST ☐ PVT ☐
CORE ☐ OTHER

REMARKS: 2/64" Drld. out CIBP @ 4052' & pushed to btm. @ 4090'

TA'd 2-27-67; reopened 3/75

DATE: 2/80 KLL

SECTION 28 - UNIT WELL NO. 441
CONTINENTAL GRIMES NO. 2

COMPLETION DATE I-35

RECOMPLETION DATE _____

COMPLETION INTERNAL: $\frac{4015-4040(G)}{4040-4220(SA)}$

LOCATION 660' FEL & 330' FSL SECTION 28-P BLOCK

SURVEY T-18-S. R-38-E COUNTY Lea County, N.M.

DATUM _____ [] G.L. ELEV. 3642' TD 4220' PBTD _____ []

[illegible]
$$\frac{10-3/4}{243'}$$
$$\frac{7-5/8''}{1634'}$$

5-1/2"
4015'

LOG TOPS			PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW			
ZONE	TOP	SUBSEA	DATE	ZONE	DEPTHS	DENS & SIZE
G	3947'			G	4015-4040'	OH
I	4040'			SA I	4040-4110'	OH
II	4110'			SA II	4110-4160'	OH
IIIu	4160'			SA IIIu	4160-4220'	OH

			SQUEEZE & REPAIR		
			DATE	DEPTH	WORK DONE
GOC					
OWC					

[illegible]

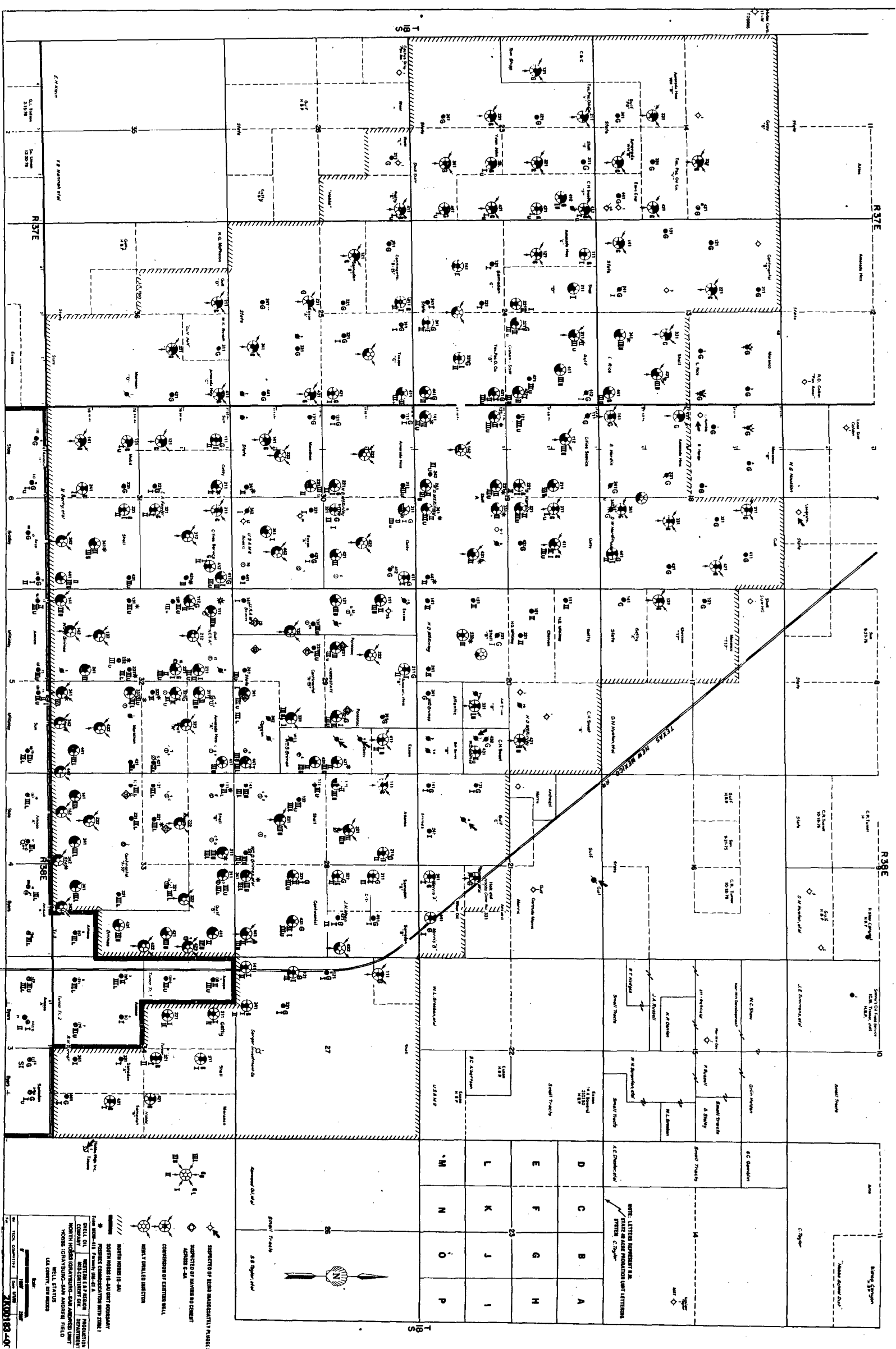
TD 4220'

OPT

DATA AVAILABLE DST ☐ PVT ☐
CORE ☐ OTHER ☐

REMARKS:

DATE: 12/79 KLL



LEGEND

- 1. 100 Yards
- 2. 200 Yards
- 3. 300 Yards
- 4. 400 Yards
- 5. 500 Yards
- 6. 600 Yards
- 7. 700 Yards
- 8. 800 Yards
- 9. 900 Yards
- 10. 1000 Yards

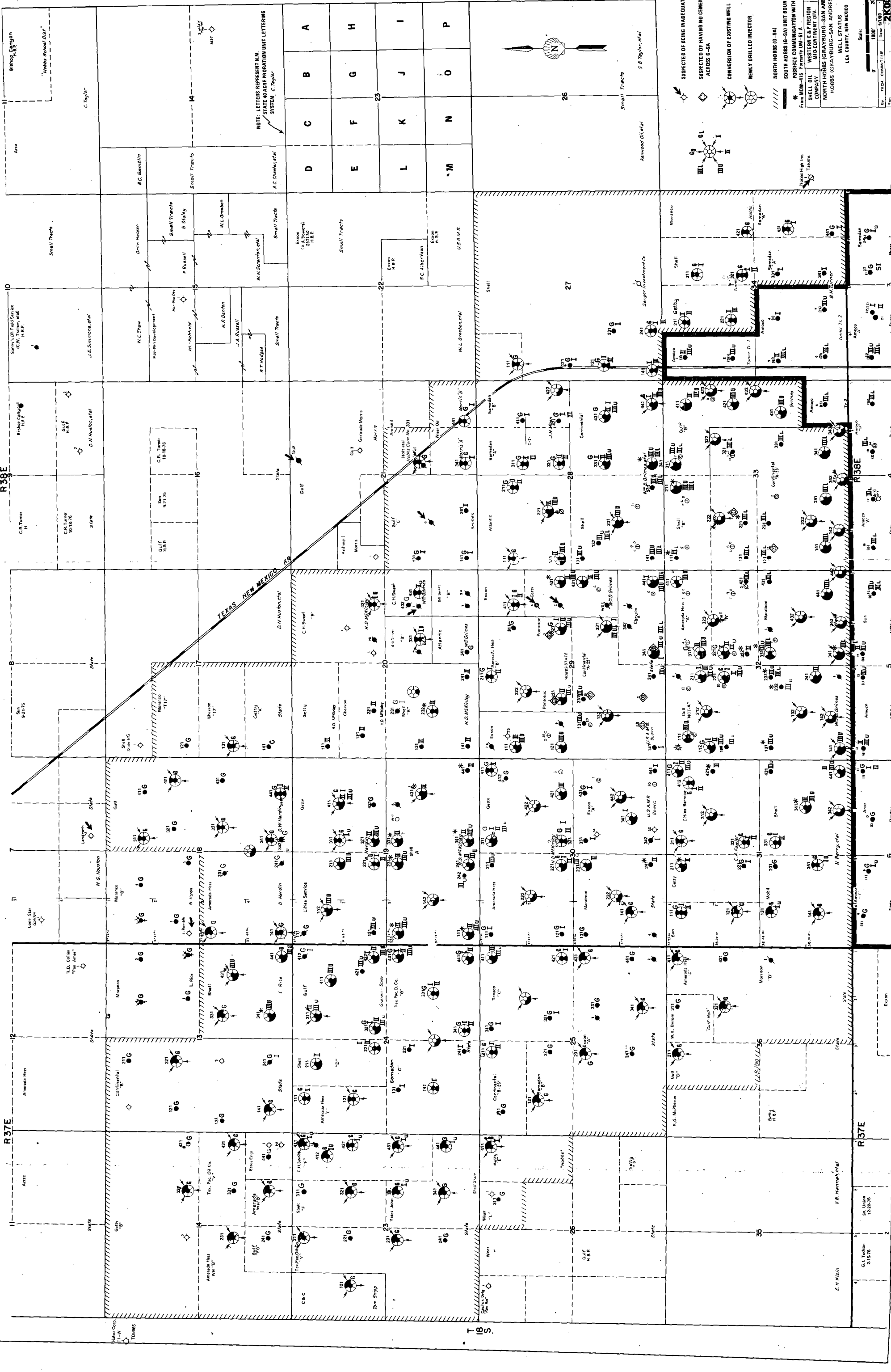
SYMBOLS

- 1. 100 Yards
- 2. 200 Yards
- 3. 300 Yards
- 4. 400 Yards
- 5. 500 Yards
- 6. 600 Yards
- 7. 700 Yards
- 8. 800 Yards
- 9. 900 Yards
- 10. 1000 Yards

NOTES

- 1. 100 Yards
- 2. 200 Yards
- 3. 300 Yards
- 4. 400 Yards
- 5. 500 Yards
- 6. 600 Yards
- 7. 700 Yards
- 8. 800 Yards
- 9. 900 Yards
- 10. 1000 Yards

2000000-00



NOTE: LETTERS REPRESENT N.M. STATE 40 ACRE PROPRATION UNIT LETTERING SYSTEM. C. Taylor

SUSPECTED OF BEING INADEQUATELY PLUGGED
SUSPECTED OF HAVING NO CEMENT ACROSS 6-3A
CONVERSION OF EXISTING WELL
NEWLY DRILLED INJECTOR

NORTH HOBBS (G-SA)
SOUTH HOBBS (G-SA) UNIT BOUNDARY
POSSIBLE COMMUNICATION WITH ZONE I
FROM 400-415 FARMER UN-81-A
SHELL OIL
WESTERN E & P REGION
MID-CONTINENT DIV.
DEPARTMENT
NORTH HOBBS (GRAYBURG-SAN ANDRES) FIELD
HOBBS (GRAYBURG-SAN ANDRES) FIELD
WELL STATUS
LEA COUNTY, NEW MEXICO

From EM 45-B
2K00183-000