Case

6653

Application

Transcripts.

Small Exhibits

ETC.

Unit Name NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT (WATERFLOOD)
Operator SHELL OIL COMPANY
County LEA COUNTY, NEW MEXICO

DATE APPROVED	OCC CASE NO. 6652 & 6653 OCC ORDER NO R-6198 & R-6199	EFFECTIVE DATE	TOTAL ACREAGE	STATE	FEDERAL	INDIAN-FEE	SEGREGATION CLAUSE	TERM
Commissioner 12-11-79	Commission 11-30-79	11-30-79	10,649.53	4,835.78	400.00	5,413.75	yes	So long as

UNIT AREA

TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMPM
Section 13: SE/4 and W/2
Section 14: All
Sections 23 through 25: All
Section 26: E/2NE/4 and NW/4NE/4
Section 36: E/2NW/4 and E/2

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM
Section 17: S/2NW/4 and SW/4
Section 18: NE/4 and S/2
Sections 19 and 20: All
Section 21: SW/4, S/2SE/4 and NW/4SE/4
Sections 27 through 32: All
Section 33: W/2, NE/4, W/2SE/4 and NE/4SE/4
Section 34: E/2NW/4 and E/2

STATUTORY UNITIZATION-ALL ACREAGE PARTICIPATES

Unit Name NORTH HOBBS(GRAYBURG-SAN ANDRES) UNIT WATER FLOOD
Operator SHELL OIL COMPANY
County LEA

STATE TRACT NO.	LEASE NO.	INSTI-TUTION	SEC.	TWP.	RGE.	SUBSECTION	RATIFIED DATE	RATIFIED ACRES	ACREAGE NOT RATIFIED	LESSEE
1	B-2330-4	D.D & B	14	18S	37E	N/2	4-5-79	320.00		Getty Oil Company
2	A-1469-2	D.D & B	14	18S	37E	N/2SW/4, SW/4SW/4, SW/4SE/4	12-14-78	160.00		Amerada Hess Corporation
3	E-8503	D.D & B	14	18S	37E	SE/4SW/4	9-14-78	40.00		Gulf Oil Corporation
4	E-5770-2	D.D & B	14	18S	37E	N/2SE/4	10-30-78	80.00		Texas Pacific Coal & Oil Co.
5	K-5218	D.D & B	14	18S	37E	SE/4SE/4 *force pooled*	-0-	40.00		Yeager & Armstrong
6	B-1535½	D.D.& B	13	18S	37E	W/2	11-15-78	320.00		Continental Oil Company
10A	B-2330-4	C.P & R	17	18S	38E	SW/4NW/4	4-5-79	40.00		Getty Oil Company
10B	B-2330-4	C.P & R	17	18S	38E	SE/4NW/4	4-5-79	40.00		Getty Oil Company
11	B-2277-1	C.P & R	17	18S	38E	N/2SW/4	9-5-78	80.00		Chevron U.S. A. Inc.
12	B-1327	C.P.& R	17	18S	38E	S/2SW/4	4-5-79	80.00		Getty Oil Company
28	A-1543-1	D.D.& B	24	18S	37E	NE/4	9-14-78	160.00		Gulf Oil Corporation
29	B-1411-1	D.D.& B	24	18S	37E	E/2NW/4	7-31-78	80.00		Shell Oil Company
30	B-1461-1	D.D.& B	24	18S	37E	W/2NW/4	12-14-78	80.00		Amerada Hess Corporation
31	A-1977-2	D.D.& B	24	18S	37E	SE/4	10-30-78	160.00		Texas Pacific Coal & Oil Co.
32	A-1118-4	D.D.& B	24	18S	37E	SW/4	7-2-79	160.00		Samedan Oil Corporation
33A	B-9264-5	D.D.& B	23	18S	37E	NE/4NE/4, SE/4NE/4	10-3-78	80.00		C. H. Sweet Oil Company
33B	B-9264-6	D.D.& B	23	18S	37E	NE/4SE/4	10-3-78	40.00		C. H. Sweet Oil Company
34	B-9264-2	D.D.& B	23	18S	37E	W/2NE/4	7-31-78	80.00		Shell Oil Company

Unit Name NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT WATERFLOOD
Operator SHELL OIL COMPANY
County LEA

STATE TRACT NO.	LEASE NO.	INSTI-TUTION	SEC.	TWP.	RGE.	SUBSECTION		RATIFIED DATE	ACRES	ACREAGE NOT RATIFIED	LESSEE
35	E-5770-2	D.D.& B	23	18S	37E	E/2NW/4, SW/4		10-30-78	240.00		Texas Pacific Coal & Oil Co.
37	B-9264-10	D.D.& B	23	18S	37E	W/2SE/4, SE/4SE/4		10-18-78	120.00		Abo Petroleum Corporation
38	K-5278	D.D.& B	26	18S	37E	NW/4NE/4		10-13-78	40.00		The Wiser Oil Company
39	E-5673	D.D.& B	26	18S	37E	E/2NE/4		4-5-79	80.00		Getty Oil Company
40	B-1535½	D.D.& B	25	18S	37E	N/2NW/4		11-15-78	80.00		Continental Oil Company
41	B-1535½	D.D.& B	25	18S	37E	S/2NW/4		7-2-79	80.00		Samedan Oil Corporation
42	B-159-1	D.D.& B	25	18S	37E	NE/4		10-2-78	160.00		Texaco Inc.
43	A-1320	D.D.& B	25	18S	37E	S/2	FORCE POOLED	-0-	320.00		Exxon Corporation
46	A-3071	Penn	30	18S	38E	SW/4		10-9-78	155.78		Marathon Oil Company
49	A-1469-2	D.D.& B	29	18S	38E	W/2NE/4, E/2NW/4		12-14-78	160.00		Amerada Hess Corporation
51	B-2657	D.D.& B	29	18S	38E	E/2SW/4, NW/4SE/4		11-15-78	120.00		Continental Oil Company
53	B-2277-1	Penn	29	18S	38E	S/2SE/4		9-5-78	80.00		Chevron U.S.A.Inc.
68	A-1178-5	Penn	33	18S	38E	N/2NW/4		7-31-78	80.00		Shell Oil Company
69	A-1573-4	Penn	33	18S	38E	S/2NW/4		9-22-79	80.00		Amoco Production Company
70	B-2656	Penn	33	18S	38E	SW/4NE/4, W/2SE/4, SW/4		11-15-78	280.00		Continental Oil Company
71	A-1469-2	C.S.	32	18S	38E	N/2NE/4		12-14-78	80.00		Amerada Hess Corporation
75A	A-2747-7	C.S.	32	18S	38E	W/2SE/4		10-9-78	80.00		Marathon Oil Company
75B	A-1159-9	C.S.	32	18S	38E	E/2SE/4		10-9-78	80.00		Marathon Oil Company

Unit Name NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT WATERFLOOD
Operator SHELL OIL COMPANY
County LEA

STATE TRACT NO.	LEASE NO.	INSTI-TUTION	SEC.	TWP.	RGE.	SUBSECTION	RATIFIED DATE	RATIFIED ACRES	ACREAGE NOT RATIFIED	LESSEE
81	A-1469-2	C.S.	36	18S	37E	E/2NE/4, SW/4NE/4, SE/4	12-14-78	280.00		Amerada Hess Corporation
82	B-243-1	C.S.	36	18S	37E	NW/4NE/4	9-14-78	40.00		Gulf Oil Corporation
83	B-243-1	C.S.	36	18S	37E	E/2NW/4	9-14-78	80.00		Gulf Oil Corporation

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

February 4, 1980

Mr. Owen Lopez
Montgomery, Andrews,
& Hannahs
Attorneys at Law
Post Office Box 2307
Santa Fe, New Mexico

Re: CASE NO. 6652
ORDER NO. R-6198-A

Applicant:

Shell Oil Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Yours very truly,

JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCC x
Artesia OCC x
Aztec OCC

Other Clifford Atkinson, J. A. Lore, Jack Dalious

CASE 6653: (Continued from September 19, 1979, Examiner Hearing)

Application of Shell Oil Company for a pressure maintenance project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project on its North Hobbs Grayburg-San Andres Unit, by the injection of water through 70 wells into the Grayburg-San Andres formation, and the adoption of special rules governing said project.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

CASE NO. 6652
Order No. R-6198-A

APPLICATION OF SHELL OIL COMPANY FOR STATUTORY UNITIZATION, LEA COUNTY, NEW MEXICO.

NUNC PRO TUNC ORDER

BY THE COMMISSION:

It appearing to the Commission that Order No. R-6198 dated November 30, 1979, does not correctly state the intended order of the Commission,

IT IS THEREFORE ORDERED:

(1) That Finding No. (4) on Page 2 of Order No. R-6198 be and the same is hereby corrected to read in its entirety as follows:

"(4) That the vertical limits of said North Hobbs Grayburg-San Andres Unit Area should comprise the Grayburg-San Andres formation of Permian age as found from a depth of 3,698 feet (51 feet sub-sea) to a depth of 4,500 feet (853 feet sub-sea) on the Borehole Compensated Sonic-Gamma Ray Log run July 9, 1969, in the Shell Oil Company State A Well No. 7, located 1930 feet from the North line and 660 feet from the East line of Section 32, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico."

(2) That Order No. (3) on Page 7 be and the same is hereby corrected to read in its entirety as follows:

"(3) That the vertical limits of said North Hobbs Grayburg-San Andres Unit Area shall comprise the Grayburg-San Andres formation of Permian age as found from a depth of 3,698 feet (51 feet sub-sea) to a depth of 4,500 feet (853 feet sub-sea) on the Borehole Compensated Sonic-Gamma Ray Log run July 9, 1969, in the Shell Oil Company State A Well No. 7, located 1930 feet from the North line and 660 feet from the East line of Section 32, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico."

(3) That the corrections set forth in this order be entered nunc pro tunc as of November 30, 1979.

DONE at Santa Fe, New Mexico, on this 30th day of January, 1980.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

ALEX J. ARMIJO, Member

EMERY C. ARNOLD, Member

JOE D. RAMEY, Member & Secretary

S E A L

fd/

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

December 5, 1979

Re: CASE NO. 6653
ORDER NO. R-6199

Mr. Owen Lopez
Montgomery, Andrews, & Hannahs
Attorneys at Law
Post Office Box 2307
Santa Fe, New Mexico

Applicant:

Shell Oil Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Yours very truly,

JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCC x
Artesia OCC x
Aztec OCC

Other J. A. Lore, Clifford Atkinson, Jack Dalious

CASE 6653: Application of Shell Oil Company for a pressure maintenance project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project on its North Hobbs Grayburg-San Andres Unit, by the injection of water thru 70 wells into the Grayburg-San Andres formation, and the adoption of special rules governing said project. (This case will be continued to September 19, 1979.)

CASE 6654: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, abolishing, and extending certain pools in Chaves, Eddy, and Lea Counties, New Mexico:

(a) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the North Grama Ridge-Morrow Gas Pool. The discovery well is Pogo Producing Company State L-922 Well No. 2 located in Unit J of Section 28, Township 21 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM
Section 28: S/2

(b) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Tansill-Yates production and designated as the East Sioux Tansill-Yates Gas Pool. The discovery well is DA&S Oil Well Servicing, Inc. Federal "B" Well No. 1 located in Unit B of Section 10, Township 26 South, Range 36 East, NMPM. Said pool would comprise:

TOWNSHIP 26 SOUTH, RANGE 36 EAST, NMPM
Section 10: NE/4

(c) ABOLISH the North Wilson Yates-Seven Rivers Pool in Lea County, New Mexico, described as:

TOWNSHIP 20 SOUTH, RANGE 36 EAST, NMPM
Section 29: S/2
Section 31: All
Section 32: All

(d) EXTEND the Airstrip-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 25: SE/4

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
Section 30: W/2

(e) EXTEND the Atoka-Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 27: S/2

(f) EXTEND the Atoka-Yeso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 34: NW/4 SW/4

(g) EXTEND the West Atoka-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 10: E/2
Section 11: All
Section 14: All

(h) EXTEND the Austin-Mississippian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 36 EAST, NMPM
Section 8: W/2
Section 17: NW/4

(i) EXTEND the East Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM
Section 31: N/2

BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

APPLICATION OF SHELL OIL COMPANY FOR AUTHORITY TO INSTITUTE A PRESSURE MAINTENANCE PROJECT FOR THE NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT, LEA COUNTY, NEW MEXICO.

Case No. 6653

Reed 8/15/79

APPLICATION

Shell Oil Company hereby applies to the New Mexico Oil Conservation Division for an order authorizing it to institute a pressure maintenance project for the North Hobbs (Grayburg-San Andres) Unit, Lea County, New Mexico, and in support of its application states:

1. Shell Oil Company (Shell) is a Delaware corporation authorized to transact business in the State of New Mexico, and is engaged in the business of, among other things, producing and selling oil and gas.

2. The Project Area for which application is made consists of 10,649.53 acres, more or less, in Lea County, New Mexico, and is more particularly described in Exhibit "1" attached hereto and incorporated herein by reference. Shell proposes to seek an order pursuant to the New Mexico Statutory Unitization Act providing for the unitized management, operation and further development of the Project Area.

3. By converting certain presently producing wells, by shutting-in other producing wells and by drilling new wells, Shell proposes to inject fluids into the producing horizon known as the Grayburg-San Andres formation in the North Hobbs Unit, the vertical limits thereof being located between the depth of 3,698 feet and the depth of 4,500 feet beneath the surface as measured

on the Borehole Compensated Sonic-Gamma Ray Log run in the Shell Oil Company--State A-7 Well on July 9, 1969, said well being located 1,930 feet FNL and 660 feet FEL of Section 32, Township 18 South, Range 38 East, Lea County, New Mexico as shown on Exhibit "2" attached hereto and incorporated by reference. Also attached hereto and incorporated by reference as Exhibit "3" is a plat showing the location of all wells located within the Project Area which are proposed to be used as producing wells or, injection wells and those wells which are plugged and abandoned. In addition, said Exhibit "3" also shows all wells and lessees that are located within a two-mile radius of the proposed injection wells. Also attached hereto and incorporated by reference is Exhibit "4" which shows the proposed well numbering system, and the unit well number to be assigned existing wells in the event this application is granted. A diagrammatic sketch of the proposed injection wells showing all casing strings, including diameters and setting depths, quantities used and tops of cement, perforated or open hole intervals, and a diagrammatic sketch showing the manner in which the wells will be equipped for injection are attached hereto and incorporated by reference as Exhibits "5" and "6". Also attached hereto and incorporated by reference as Exhibit "7" is a tabulation showing all wells to be drilled and the location thereof, and the unit number within the Project Area. Additionally, attached hereto and incorporated by reference as Exhibit "8" are diagrammatic sketches showing how the proposed injectors and producers will be completed. Submitted to the Division with this application are all the logs of the proposed injection wells that are available, and attached hereto as Exhibit "9" is a list of those wells for which logs are not available.

4. A tabular summary of all wells located within one-half mile of the proposed injection wells and which penetrate the injection zone showing all casing strings, setting depths, sacks of cement used, cement tops, total depth, producing interval, well identification, and location is attached hereto and incorporated herein by reference as Exhibit "10". A schematic of all plugged and abandoned wells located within a one-half mile radius of the proposed injection wells which have penetrated the producing horizon with the size and location of all plugs and the date of abandonment is attached hereto as Exhibit "11".

5. The water to be used for injection for the pressure maintenance project shall be industrial process water from wastewater discharge to be purchased from the City of Hobbs, New Mexico, and water associated with the production of unitized substances. A copy of the Resolution authorizing the City of Hobbs to enter into an Agreement for water supply and a copy of the Agreement itself is attached hereto and incorporated herein by reference as Exhibit "12". It is projected that 115 million barrels of water from the City of Hobbs and 525 million barrels of produced water will be injected throughout the life of the pressure maintenance project.

6. Water is to be injected at a surface pressure not to exceed 0.2 psi per foot of depth to top of injection zone provided that surface pressure in excess of 0.2 psi per foot of depth to injection zone may be applied upon administrative approval of Secretary/Director of the Division after showing that such higher pressure will not result in fracturing of the confining strata.

7. Approval of this application and the adoption of special rules and regulations for the North Hobbs (Grayburg-San Andres) pressure maintenance project will substantially increase

recoverable reserves to be produced within the useful life of production facilities, thereby preventing waste and protecting correlative rights. A copy of proposed special rules and regulations is attached hereto as Exhibit "13".

WHEREFORE, Shell respectfully requests that this application be set for hearing before the Division at the earliest practicable date and that the Division enter its order approving the pressure maintenance project for the North Hobbs (Grayburg-San Andres) Unit, and that it also enter its order approving the proposed special unit rules and regulations.

MONTGOMERY, ANDREWS & HANNAHS, P.A.

BY _____
Owen M. Lopez
P. O. Box 2307
Santa Fe, New Mexico 87501

Attorneys for Shell Oil Company

PROPOSED UNIT AREA
NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
LEA COUNTY, NEW MEXICO

Township 18 South, Range 37 East, NMPM

Section 13: SE/4 and W/2
Section 14: All
Section 23: All
Section 24: All
Section 25: All
Section 26: E/2 NE/4 and NW/4 NE/4
Section 36: E/2 NW/4 and E/2

Township 18 South, Range 38 East, NMPM

Section 17: S/2 NW/4 and SW/4
Section 18: NE/4 and S/2
Section 19: All
Section 20: All
Section 21: SW/4 and S/2 SE/4 and NW/4 SE/4
Section 27: All
Section 28: All
Section 29: All
Section 30: All
Section 31: All
Section 32: All
Section 33: N/2 and SW/4 and W/2 SE/4 and NE/4 SE/4
Section 34: E/2 NW/4 and E/2

"Unitized Formation" shall mean that subsurface portion of the Unit Area Known as the Grayburg-San Andres formation of Permian Age found in the interval between the stratigraphic depth of 3698 feet as measured on the Borehole Compensated Sonic-Gamma Ray Log run in the Shell Oil Company - State A-7 well on July 9, 1969, said well being located 1930 feet FNL and 660 feet FEL of Section 32-T18S-R38E, Lea County, New Mexico, and the depth of 4500 feet beneath the surface.

PRESSURE MAINTENANCE PROJECT
EXHIBIT 1

NORTH HOBBS (G/SA) UNIT
WELL NUMBERS
CROSS - REFERENCE
BY UNIT WELL #

T18SR37E

N. Hobbs (G/SA) Unit Sec. 13

Unit Well #		
13-121	=	Continental - "B" State #5
13-131	=	Continental - "B" State #7
13-141	=	Continental - "B" State #2
13-211	=	Continental - "B" State #6
13-221	=	Continental - "B" State #4
13-241	=	Continental - "B" State #1
13-331	=	Shell - Rice #4
13-341	=	Shell - Rice #2
13-431	=	Shell - Rice #3
13-441	=	Shell - Rice #1

N. Hobbs (G/SA) Unit Sec. 14

Unit Well #		
14-231	=	Amerada Hess - "WHB" State #2
14-241	=	Gulf - "FO" State #1
14-321	=	Getty - "B" State #2
14-331	=	Tex. Pac. - "V" State #2
14-341	=	Amerada Hess - "WHB" State #1
14-421	=	Getty - "B" State #1
14-431	=	Tex. Pac. - "V" State #1
14-441	=	Estes. Engr. - State #1

N. Hobbs (G/SA) Unit Sec. 23

Unit Well #		
23-121	=	C&C Shipp - State #1
23-211	=	Tex. Pac. - "V" State #3
23-221	=	Tex. Pac. - "V" State #4
23-231	=	Tex. Pac. - "V" State #5
23-241	=	Tex. Pac. - "V" State #6
23-311	=	Shell - "F" State #3
23-321	=	Shell - "F" State #2
23-331	=	Yates - Shell - State #2
23-341	=	Yates - Shell - State #3
23-411	=	C. H. Sweet - "F" State #1-A
23-412	=	C. H. Sweet - "F" State #4
23-421	=	C. H. Sweet - "F" State #2-A
23-431	=	C. H. Sweet - "F" State #3
23-441	=	Yates - Shell - State #1

PRESSURE MAINTENANCE PROJECT
EXHIBIT "4" - Part 2

N. Hobbs (G/SA) Unit Sec. 24

Unit Well #		
24-111	=	Amerada Hess "E" State #2
24-121	=	Amerada Hess "E" State #1
24-131	=	Samedan "C" State #3
24-141	=	Samedan "C" State #4
24-211	=	Shell "D" State #2
24-221	=	Shell "D" State #1
24-231	=	Samedan "C" State #2
24-241	=	Samedan "C" State #1
24-311	=	Gulf Graham - State #4
24-321	=	Gulf Graham - State #3
24-331	=	Tex. Pac. "G" State #3
24-341	=	Tex. Pac. "G" State #4
24-411	=	Gulf Graham - State #6
24-412	=	Gulf Graham - State #2
24-421	=	Gulf Graham - State #5
24-422	=	Gulf Graham - State #1
24-431	=	Tex. Pac. "G" State #2
24-441	=	Tex. Pac. "G" State #1

N. Hobbs Unit (G/SA) Unit Sec. 25

Unit Well #		
25-111	=	Continental - "B-25" State #2
25-121	=	Samedan - "B" State #2
25-211	=	Continental - "B-25" State #1
25-221	=	Samedan - "B" State #1
25-231	=	Exxon - "A" State #6
25-241	=	Exxon - "A" State #9
25-311	=	Texaco - "C" State #4
25-321	=	Texaco - "C" State #3
25-331	=	Exxon - "A" State #8
25-341	=	Exxon - "A" State #5
25-411	=	Texaco - "C" State #1
25-421	=	Texaco - "C" State #2
25-431	=	Exxon - "A" State #1
25-441	=	Exxon - "A" State #7

N. Hobbs (G/SA) Unit Sec. 26

Unit Well #		
26-311	=	Wiser - "L" State #1
26-411	=	Skelly (Getty) "E" State #1

N. Hobbs (G/SA) Unit Sec. 36

Unit Well #		
36-211	=	Gulf - "D" State #1
36-311	=	Byron - Gulf Holt State #1
36-321	=	Amerada Hess - "C" State #3
36-411	=	Amerada Hess - "C" State #1
36-421	=	Amerada Hess - "C" State #2

T18SR384

N. Hobbs (G/SA) Unit Sec. 17

Unit Well #		
17-121	=	Moranco "T17" State #1
17-131	=	Chevron "17" State #1
17-141	=	Skelly (Getty) - "A" State #1

N. Hobbs (G/SA) Unit Sec. 18

Unit Well #		
18-131	=	Amerada Hess - Hardin #3
18-141	=	Amerada Hess - Hardin #1
18-231	=	Amerada Hess - Hardin #5
18-241	=	Amerada Hess - Hardin #2
18-311	=	Gulf - Hardin #7
18-321	=	Gulf - Hardin #4
18-331	=	Gulf - Hardin #5
18-341	=	Gulf - Hardin #9
18-342	=	Gulf - Hardin #1
18-411	=	Gulf - Hardin #8
18-421	=	Gulf - Hardin #6
18-431	=	Gulf - Hardin #3
18-441	=	Gulf - Hardin #2

N. Hobbs (G/SA) Unit Sec. 19

Unit Well #		
19-111	=	Cities Service - Hardin #5
19-112	=	Cities Service - Hardin #4
19-121	=	Cities Service - Hardin #2
19-131	=	Shell - "A" McKinley #7
19-141	=	Shell - "A" McKinley #1
19-211	=	Cities Service - Hardin #3
19-221	=	Cities Service - Hardin #1
19-231	=	Shell - "A" McKinley #6
19-241	=	Shell - "A" McKinley #4
19-242	=	Shell - "A" McKinley #11
19-311	=	Getty - Hardin #3
19-321	=	Getty - Hardin #1
19-331	=	Shell - "A" McKinley #5
19-341	=	Shell - "A" McKinley #2
19-411	=	Getty - Hardin #4
19-421	=	Getty - Hardin #2
19-431	=	Shell - "A" McKinley #10
19-441	=	Shell - "A" McKinley #3

N. Hobbs (G/SA) Unit Sec. 20

Unit Well #		
#20-111	=	Skelly (Getty) - McKinley #1
#20-121	=	Chevron - McKinley #2
#20-131	=	Shell - "B" McKinley #5
#20-141	=	Shell - "B" McKinley #3

N. Hobbs (G/SA) Unit Sec. 20 (Continued)

Unit Well #		
20-221	=	Chevron - McKinley #1
20-231	=	Shell - "B" McKinley #1
20-232	=	Shell - "B" McKinley #4
20-241	=	Shell - "B" McKinley #2
20-331	=	Bill Sweet - "B" US #2-A
20-341	=	Atlantic - Grimes #1
20-421	=	C. H. Sweet - McKinley B #2
20-431	=	C. H. Sweet - Grimes #1-A
20-432	=	C. H. Sweet - Grimes #3-A

N. Hobbs (G/SA) Unit Sec. 21

Unit Well #		
21-131	=	Gulf - "C" Grimes #3
21-141	=	Gulf - "C" Grimes #1
21-241	=	Gulf - "C" Grimes #2
21-331	=	Antwiel - Hobbs CT #1
21-341	=	Wiser - Morris "A" #1
21-441	=	Wiser - Morris "B" #1

N. Hobbs (G/SA) Unit Sec. 27

Unit Well #		
27-111	=	Shell - Sanger #6
27-121	=	Shell - Sanger #4
27-131	=	Shell - Sanger #3
27-141	=	Shell - Sanger #1
27-231	=	Sehll - Sanger #5
27-241	=	Shell - Sanger #2

N. Hobbs (G/SA) Unit Sec. 28

Unit Well #		
28-111	=	Atlantic - Grimes SOC #3
28-121	=	Atlantic - Grimes SOC #1
28-131	=	Shell - Grimes #2
28-132	=	Shell - Grimes #10
28-141	=	Shell - Grimes #1
28-211	=	Atlantic - Grimes SOC #4
28-221	=	Atlantic - Grimes SOC #2A
28-231	=	Shell - Grimes #3
28-241	=	Shell - Grimes #4
28-311	=	Samedan - "A" Moon #2
28-321	=	Samedan - "A" Moon #1
28-331	=	Continental - Grimes #3
28-341	=	Continental - Grimes #1
28-411	=	Samedan - "B" Moon #2
28-421	=	Samedan - "B" Moon #1
28-431	=	Continental - Grimes #4
28-441	=	Continental - Grimes #2

N. Hobbs (G/SA) Unit Sec. 29

Unit Well		
#29-111	=	Exxon - U.S.A.M.R. Bowers #35
29-121	=	Exxon - U.S.A.M.R. Bowers #7
29-131	=	Exxon - U.S.A.M.R. Bowers #10
29-141	=	Exxon - U.S.A.M.R. Bowers #3
29-211	=	Amerada Hess - "B" Hobbs State #4
29-221	=	Amerada Hess - "B" Hobbs State #1
29-231	=	Continental "A-29" State #3
29-241	=	Continental "A-29" State #2
29-311	=	Amerada Hess "B" Hobbs State #3
29-321	=	Amerada Hess "B" Hobbs State #2
29-331	=	Continental "A-29" State #1
29-341	=	Chevron "A" State #4
29-411	=	Exxon - Grimes #1
29-421	=	Getty - Grimes #4
29-431	=	Getty - Grimes #3
29-441	=	Chevron - "A" State #3

N. Hobbs (G/SA) Unit Sec. 30

Unit Well		
#30-111	=	Amerada Hess - McKinley #1
30-121	=	Amerada Hess - McKinley #4
30-131	=	Marathon - State #3
30-141	=	Marathon - State #9
30-211	=	Amerada Hess - McKinley #3
30-221	=	Amerada Hess - McKinley #2
30-231	=	Marathon - State #1
30-241	=	Marathon - State #2
30-311	=	Getty - McKinley #4
30-321	=	Getty - McKinley #1
30-331	=	Exxon "A" USA Bowers #2
30-341	=	Exxon "A" USA Bowers #36
30-342	=	Exxon "A" USA Bowers #8
30-411	=	Getty - McKinley #5
30-412	=	Getty - McKinley #11
30-421	=	Getty - McKinley #2
30-431	=	Exxon "A" USA Bowers #5
30-441	=	Exxon "A" USA Bowers #4

N. Hobbs (G/SA) Unit Sec. 31

Unit Well		
#31-111	=	Sun - Fowler #1
31-121	=	Sun - Fowler #4
31-131	=	Mobil - Berry #3
31-141	=	Mobil - Berry #4
31-211	=	Skelly (Getty) - Fowler #1
31-221	=	Skelly (Getty) - Fowler #2
31-231	=	Mobil - Berry #1
31-241	=	Mobil - Berry #2
31-311	=	Cities Service - Fowler #2

N. Hobbs (G/SA) Unit Sec. 31 (Cont'd)

Unit Well #		
31-321	=	Cities Service - Fowler #3
31-331	=	Shell - Berry #2
31-341	=	Shell - Berry #4
31-411	=	Cities Service - Fowler #1
31-412	=	Cities Service - Fowler #9
31-421	=	Cities Service - Fowler #4
31-431	=	Shell - Berry #3
31-441	=	Shell - Berry #1

N. Hobbs (G/SA) Unit Sec. 32

Unit Well #		
32-111	=	Gulf - "NCT-A" Grimes #10
32-112	=	Gulf - "NCT-A" Grimes #8
32-121	=	Gulf - "NCT-A" Grimes #19
32-131	=	Gulf - "NCT-A" Grimes #9
32-141	=	Gulf - "NCT-A" Grimes #5
32-211	=	Gulf - "NCT-A" Grimes #7
32-221	=	Gulf - "NCT-A" Grimes #2
32-231	=	Gulf - "NCT-A" Grimes #3
32-232	=	Gulf - "NCT-A" Grimes #20
32-241	=	Gulf - "NCT-A" Grimes #15
32-311	=	Amerada Hess "A" State #1
32-321	=	Shell - "A" State #2
32-322	=	Shell - "A" State #4
32-331	=	Marathon - State #4
32-341	=	Marathon - State #5
32-411	=	Amerada Hess - "A" State #2
32-421	=	Shell - "A" State #3
32-431	=	Marathon - State #3
32-441	=	Marathon - State #2

N. Hobbs (G/SA) Unit Sec. 33

Unit Well #		
33-111	=	Shell - "B" State #1
33-121	=	Amoco - "G" State #1
33-131	=	Continental "A-33" State #2
33-141	=	Continental "A-33" State #1
33-211	=	Shell - "B" State #2
33-221	=	Amoco - "G" State #2
33-231	=	Continental - "A-33" State #3
33-241	=	Continental - "A-33" State #6
33-311	=	Gulf - "B" Grimes #3
33-321	=	Continental - "A-33" State #7
33-331	=	Continental - "A-33" State #4
33-341	=	Continental - "A-33" State #5
33-411	=	Gulf - "B" Grimes #4
33-421	=	Gulf - "B" Grimes #2
33-431	=	Gulf - "B" Grimes #1

N. Hobbs (G/SA) Unit Sec. 34

Unit Well #		
34-211	=	Skelly (Getty) - Turner #2
34-221	=	Skelly (Getty) - Turner #1
34-311	=	Shell - Turner #2
34-321	=	Shell - Turner #1
34-331	=	Samedan - "A" Turner #1
34-341	=	Samedan - "A" Turner #2
34-421	=	Moranco - Hobbs #1
34-431	=	Samedan - "B" Turner #1
34-441	=	Samedan - "B" Turner #2

NORTH HOBBS (G/SA) UNIT
WELL NUMBERS
CROSS - REFERENCE
BY CURRENT OPERATOR/WELL #

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Amerada Hess	Hardin	1	M	=	18	-	18-141
Amerada Hess	Hardin	2	N	=	18	-	18-241
Amerada Hess	Hardin	3	L	=	18	-	18-131
Amerada Hess	Hardin	5	K	=	18	-	18-231
Amerada Hess	McKinley	1	D	=	30	-	30-111
Amerada Hess	McKinley	2	F	=	30	-	30-221
Amerada Hess	McKinley	3	C	=	30	-	30-211
Amerada Hess	McKinley	4	E	=	30	-	30-121
Amerada Hess	State "A"	1	B	=	32	-	32-311
Amerada Hess	State "A"	2	A	=	32	-	32-411
Amerada Hess	State "B"	1	F	=	29	-	29-221
Amerada Hess	State "B"	2	G	=	29	-	29-321
Amerada Hess	State "B"	3	B	=	29	-	29-311
Amerada Hess	State "B"	4	C	=	29	-	29-211
Amerada Hess	State "C"	1	A	=	36	-	36-411
Amerada Hess	State "C"	2	H	=	36	-	36-421
Amerada Hess	State "C"	3	G	=	36	-	36-321
Amerada Hess	State "E"	1	E	=	24	-	24-121
Amerada Hess	State "E"	2	D	=	24	-	24-111
Amerada Hess	State "WHB"	1	O	=	14	-	14-341
Amerada Hess	State "WHB"	2	K	=	14	-	14-231
Amoco	State "G"	1	E	=	33	-	33-121
Amoco	State "G"	2	F	=	33	-	33-221
Antwiel	Hobbs "CT"	1	J	=	21	-	21-331
Atlantic	Grimes	1	O	=	20	-	20-341
Atlantic	Grimes "SOC"	1	E	=	28	-	28-121
Atlantic	Grimes "SOC"	2A	F	=	28	-	28-221
Atlantic	Grimes "SOC"	3	D	=	28	-	28-111
Atlantic	Grimes "SOC"	4	C	=	28	-	28-211
Byrom	Gulf Holt-State	1	B	=	36	-	36-311
Chevron	McKinley	1	F	=	20	-	20-221
Chevron	McKinley	2	E	=	20	-	20-121
Chevron	State "17"	1	L	=	17	-	17-131
Chevron	State "29"	3	P	=	29	-	29-441
Chevron	State "29"	4	O	=	29	-	29-341
Cities Service	Fowler	1	A	=	31	-	31-411
Cities Service	Fowler	2	B	=	31	-	31-311
Cities Service	Fowler	3	G	=	31	-	31-321
Cities Service	Fowler	4	H	=	31	-	31-421
Cities Service	Fowler	9	A	=	31	-	31-412
Cities Service	Hardin	1	F	=	19	-	19-221
Cities Service	Hardin	2	E	=	19	-	19-121
Cities Service	Hardin	3	C	=	19	-	19-211

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Cities Service	Hardin	4	D	=	19	-	19-112
Cities Service	Hardin	5	D	=	19	-	19-111
Continental	Grimes	1	O	=	28	-	28-341
Continental	Grimes	2	P	=	28	-	28-441
Continental	Grimes	3	J	=	28	-	28-331
Continental	Grimes	4	I	=	28	-	28-431
Continental	State "A29"	1	J	=	29	-	29-331
Continental	State "A29"	2	N	=	29	-	29-241
Continental	State "A29"	3	K	=	29	-	29-231
Continental	State "A33"	1	M	=	33	-	33-141
Continental	State "A33"	2	L	=	33	-	33-131
Continental	State "A33"	3	K	=	33	-	33-231
Continental	State "A33"	4	J	=	33	-	33-331
Continental	State "A33"	5	O	=	33	-	33-341
Continental	State "A33"	6	N	=	33	-	33-241
Continental	State "A33"	7	G	=	33	-	33-321
Continental	State "B-13"	1	N	=	13	-	13-241
Continental	State "B-13"	2	M	=	13	-	13-141
Continental	State "B-13"	4	F	=	13	-	13-221
Continental	State "B-13"	5	E	=	13	-	13-121
Continental	State "B-13"	6	C	=	13	-	13-211
Continental	State "B-13"	7	L	=	13	-	13-131
Continental	State "B25"	1	C	=	25	-	25-211
Continental	State "B25"	2	D	=	25	-	25-111
Mobil	Berry	1	K	=	31	-	31-231
Mobil	Berry	2	N	=	31	-	31-241
Mobil	Berry	3	L	=	31	-	31-131
Mobil	Berry	4	M	=	31	-	31-141
Exxon	Bowers A Fed.	2	J	=	30	-	30-331
Exxon	Bowers A Fed.	3	M	=	29	-	29-141
Exxon	Bowers A Fed.	4	P	=	30	-	30-441
Exxon	Bowers A Fed.	5	I	=	30	-	30-431
Exxon	Bowers A Fed.	7	E	=	29	-	29-121
Exxon	Bowers A Fed.	8	O	=	30	-	30-342
Exxon	Bowers A Fed.	10	L	=	29	-	29-131
Exxon	Bowers A Fed.	36	O	=	30	-	30-341
Exxon	Bowers A Fed. Com.	35	D	=	29	-	29-111
Exxon	Grimes	1	A	=	29	-	29-411
Exxon	New Mexico State	1	I	=	25	-	25-431
Exxon	New Mexico State	5	O	=	25	-	25-341
Exxon	New Mexico State	6	K	=	25	-	25-231
Exxon	New Mexico State	7	P	=	25	-	25-441
Exxon	New Mexico State	8	J	=	25	-	25-331
Exxon	New Mexico State	9	N	=	25	-	25-241
Getty	Grimes	3	I	=	29	-	29-431
Getty	Grimes	4	H	=	29	-	29-421
Getty	Hardin	1	G	=	19	-	19-321
Getty	Hardin	2	H	=	19	-	19-421

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Getty	Hardin	3	B	=	19	-	19-311
Getty	Hardin	4	A	=	19	-	19-411
Getty	McKinley	1	G	=	30	-	30-321
Getty	McKinley	2	H	=	30	-	30-421
Getty	Mckinley	4	B	=	30	-	30-311
Getty	McKinley	5	A	=	30	-	30-411
Getty	McKinley	11	A	=	30	-	30-412
Getty	State "B"	1	H	=	14	-	14-421
Getty	State "B"	2	G	=	14	-	14-321
Getty	Fowler	1	C	=	31	-	31-211
Getty	Fowler	2	F	=	31	-	31-221
Getty	Hobbs "E"	1	A	=	26	-	26-411
Getty	McKinley	1	D	=	20	-	20-111
Getty	State "A"	1	M	=	17	-	17-141
Getty	Turner	1	F	=	34	-	34-221
Getty	Turner	2	C	=	34	-	34-211
Gulf	Graham State "A"	1	H	=	24	-	24-422
Gulf	Graham State "A"	2	A	=	24	-	24-412
Gulf	Graham State "A"	3	G	=	24	-	24-321
Gulf	Graham State "A"	4	B	=	24	-	24-311
Gulf	Graham State "A"	5	H	=	24	-	24-421
Gulf	Graham State "A"	6	A	=	24	-	24-411
Gulf	Grimes "A"	2	F	=	32	-	32-221
Gulf	Grimes "A"	7	C	=	32	-	32-211
Gulf	Grimes "A"	8	E	=	32	-	32-112
Gulf	Grimes "A"	10	D	=	32	-	32-111
Gulf	Grimes "A"	19	E	=	32	-	32-121
Gulf	Grimes "A" No. 2	3	K	=	32	-	32-231
Gulf	Grimes "A" No. 2	5	M	=	32	-	32-141
Gulf	Grimes "A" No. 2	9	L	=	32	-	32-131
Gulf	Grimes "A" No. 2	15	N	=	32	-	32-241
Gulf	Grimes "A" No. 2	20	K	=	32	-	32-232
Gulf	Grimes "B"	1	I	=	33	-	33-431
Gulf	Grimes "B"	2	H	=	33	-	33-421
Gulf	Grimes "B"	3	B	=	33	-	33-311
Gulf	Grimes "B"	4	A	=	33	-	33-411
Gulf	Grimes "C"	1	M	=	21	-	21-141
Gulf	Grimes "C"	2	N	=	21	-	21-241
Gulf	Grimes "C"	3	L	=	21	-	21-131
Gulf	Hardin	1	O	=	18	-	18-342
Gulf	Hardin	2	P	=	18	-	18-441
Gulf	Hardin	3	I	=	18	-	18-431
Gulf	Hardin	4	G	=	18	-	18-321
Gulf	Hardin	5	J	=	18	-	18-331
Gulf	Hardin	6	H	=	18	-	18-421
Gulf	Hardin	7	B	=	18	-	18-311
Gulf	Hardin	8	A	=	18	-	18-411
Gulf	Hardin	9	O	=	18	-	18-341

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Gulf	Holt NCT - D	1	C	=	36	-	36-211
Gulf	Lea FO State	1	N	=	14	-	14-241
Marathon	State 30	1	K	=	30	-	30-231
Marathon	State 30	2	N	=	30	-	30-241
Marathon	State 30	3	L	=	30	-	30-131
Marathon	State 30	9	M	=	30	-	30-141
Marathon	State 32	2	P	=	32	-	32-441
Marathon	State 32	3	I	=	32	-	32-431
Marathon	State 32	4	J	=	32	-	32-331
Marathon	State 32	5	O	=	32	-	32-341
Moran	Hobbs	1	H	=	34	-	34-421
Moran	State "T17"	1	E	=	17	-	17-121
C&C Shipp	"A"	1	E	=	23	-	23-121
Sun	Fowler	1	D	=	31	-	31-111
Sun	Fowler	4	E	=	31	-	31-121
Samedan	Moon "A"	1	G	=	28	-	28-321
Samedan	Moon "A"	2	B	=	28	-	28-311
Samedan	Moon "B"	1	H	=	28	-	28-421
Samedan	Moon "B"	2	A	=	28	-	28-411
Samedan	State "B"	1	F	=	25	-	25-221
Samedan	State "B"	2	E	=	25	-	25-121
Samedan	State "C"	1	N	=	24	-	24-241
Samedan	State "C"	2	K	=	24	-	24-231
Samedan	State "C"	3	L	=	24	-	24-131
Samedan	State "C"	4	M	=	24	-	24-141
Samedan	Turner "A"	1	J	=	34	-	34-331
Samedan	Turner "A"	2	O	=	34	-	34-341
Samedan	Turner "B"	1	I	=	34	-	34-431
Samedan	Turner "B"	2	P	=	34	-	34-441
Shell	Berry	1	P	-	31	-	31-441
Shell	Berry	2	J	=	31	-	31-331
Shell	Berry	3	I	=	31	-	31-431
Shell	Berry	4	O	=	31	-	31-341
Shell	Grimes	1	M	=	28	-	28-141
Shell	Grimes	2	L	=	28	-	28-131
Shell	Grimes	3	K	=	28	-	28-231
Shell	Grimes	4	N	=	28	-	23-241
Shell	Grimes	10	L	=	28	-	28-132
Shell	McKinley "A"	1	M	=	19	-	19-141
Shell	McKinley "A"	2	O	=	19	-	19-341
Shell	McKinley "A"	3	B	=	19	-	19-441
Shell	McKinley "A"	4	N	=	19	-	19-241
Shell	McKinley "A"	5	J	=	19	-	19-331
Shell	McKinley "A"	6	K	=	19	-	19-231
Shell	McKinley "A"	7	L	=	19	-	19-131
Shell	McKinley "A"	10	I	=	19	-	19-431
Shell	McKinley "A"	11	N	=	19	-	19-242
Shell	McKinley "B"	1	K	=	20	-	20-231

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Shell	McKinley "B"	2	N	=	20	-	20-241
Shell	McKinley "B"	3	M	=	20	-	20-141
Shell	McKinley "B"	4	K	=	20	-	20-232
Shell	McKinley "B"	5	L	=	20	-	20-131
Shell	Rice	1	P	=	13	-	13-441
Shell	Rice	2	O	=	13	-	13-341
Shell	Rice	3	I	=	13	-	13-431
Shell	Rice	4	J	=	13	-	13-331
Shell	Sanger	1	M	=	27	-	27-141
Shell	Sanger	2	N	=	27	-	27-241
Shell	Sanger	3	L	=	27	-	27-131
Shell	Sanger	4	E	=	27	-	27-121
Shell	Sanger	5	K	=	27	-	27-231
Shell	Sanger	6	D	=	27	-	27-111
Shell	State "A"	2	G	=	32	-	32-321
Shell	State "A"	3	H	=	32	-	32-421
Shell	State "A"	4	G	=	32	-	32-322
Shell	State "B"	1	D	=	33	-	33-111
Shell	State "B"	2	C	=	33	-	33-211
Shell	State "D"	1	F	=	24	-	24-221
Shell	State "D"	2	C	=	24	-	24-211
Shell	State "F"	2	G	=	23	-	23-321
Shell	State "F"	3	B	=	23	-	23-311
Shell	Turner	1	G	=	34	-	34-321
Shell	Turner	2	B	=	34	-	34-311
Bill Sweet	Bowers "B"	2A	J	=	20	-	20-331
C. H. Sweet	Grimes	1A	I	=	20	-	20-431
C. H. Sweet	Grimes	3A	I	=	20	-	20-432
C. H. Sweet	McKinley "B"	2	H	=	20	-	20-421
C. H. Sweet	State "F"	1A	A	=	23	-	23-411
C. H. Sweet	State "F"	2A	H	=	23	-	23-421
C. H. Sweet	State "F"	3	I	=	23	-	23-431
C. H. Sweet	State "F"	4	A	=	23	-	23-412
Texaco	New Mexico St. "C"	1	A	=	25	-	25-411
Texaco	New Mexico St. "C"	2	H	=	25	-	25-421
Texaco	New Mexico St. "C"	3	G	=	25	-	25-321
Texaco	New Mexico St. "C"	4	B	=	25	-	25-311
Tex. Pac.	State "G"	1	P	=	24	-	24-441
Tex. Pac.	State "G"	2	I	=	24	-	24-431
Tex. Pac.	State "G"	3	J	=	24	-	24-331
Tex. Pac.	State "G"	4	O	=	24	-	24-341
Tex. Pac.	State "V"	1	I	=	14	-	14-431
Tex. Pac.	State "V"	2	J	=	14	-	14-331
Tex. Pac.	State "V"	3	C	=	23	-	23-211
Tex. Pac.	State "V"	4	F	=	23	-	23-221
Tex. Pac.	State "V"	5	K	=	23	-	23-231
Tex. Pac.	State "V"	6	N	=	23	-	23-241
Wiser	Morris "A"	1	O	=	21	-	21-341

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Wiser	Morris "B"	1	P	=	21	-	21-441
Wiser	State "L"	1	B	=	26	-	26-311
Yates	Shell - State	1	P	=	23	-	23-441
Yates	Shell - State	2	J	=	23	-	23-331
Yates	Shell - State	3	O	=	23	-	23-341
Estes (Yeager)	State	1	P	=	14	-	14-441

PROPOSED NORTH HOBBS (G-SA) UNIT
PROPOSED FOR CONVERSION TO INJECTION

OPERATOR-LEASE	WELL NUMBER	PROPOSED WELL NUMBER
Amerada Hess		
Hardin	1	18-141
State "C"	1	36-411
State "C"	3	36-321
State "E"	1	24-121
State WH "B"	1	14-341
State WH "B"	2	14-231
Antweil		
Hobbs Cone Townsite	1	21-331
Atlantic		
Grimes "SOC"	2A	28-221
Grimes "SOC"	3	28-111
C&C Operating Corp.		
Shipp "A"	1	23-121
Chevron		
State "17"	1	17-131
Cities Service		
Fowler	2	31-311
Hardin	5	19-111
Continental		
Grimes	4	28-431
State "A-29"	1	29-331
State "B-13"	2	13-141
State "B-13"	4	13-221
Exxon		
Bowers "A" Fed. Com.	35	29-111
Grimes	1	29-411
New Mexico "A" State	1	25-431
New Mexico "A" State	5	25-341
New Mexico "A" State	6	25-231
Getty		
Fowler	1	31-211
Hardin	3	19-311
Hardin	4	19-411
Hobbs "E"	1	26-411
State "B"	2	14-321

PRESSURE MAINTENANCE PROJECT
EXHIBIT "5"

OPERATOR-LEASE	WELL NUMBER	PROPOSED WELL NUMBER
Gulf		
Grimes "B"	4	33-411
Hardin	5	18-331
Hardin	6	18-421
Hardin	7	18-311
Hardin	9	18-341
Holt NCT "D"	1	36-211
Marathon		
State 30	9	30-141
Mobil		
Berry	4	31-141
Moran		
Hobbs	1	34-421
Samedan		
State "B"	2	25-121
Shell		
Grimes	3	28-231
McKinley "B"	4	20-232
Rice	3	13-431
Sanger	6	27-111
State "D"	2	24-211
State "F"	2	23-321
Sun		
Fowler	4	31-121
Bill Sweet		
Bowers "B"	2-A	20-331
C. H. Sweet		
McKinley "B"	2	20-421
State "F"	1-A	23-411
State "F"	3	23-431
Texas Pacific		
State "V"	1	14-431
State "V"	3	23-211
State "V"	5	23-231
Yates		
Shell State	3	23-341

PROPOSED NORTH HOBBS (G-SA) UNIT
PROPOSED FOR CONVERSION TO INJECTION

Propoed Well Number	Operator-Lease	Well Number
13-141	Conoco St. "B-13"	2
13-221	Conoco St. "B-13"	4
13-431	Shell Rice	3
14-231	Amerada WH "B"	2
14-321	Getty State "B"	2
14-341	Amerada WH "B"	1
14-431	Texas Pacific State "V"	1
17-131	Chevron State "17"	1
18-141	Amerada Hardin	1
18-311	Gulf Hardin	7
18-331	Gulf Hardin	5
18-341	Gulf Hardin	9
18-421	Gulf Hardin	6
19-111	Cities Services Hardin	5
19-311	Getty Hardin	3
19-411	Getty Hardin	4
20-232	Shell McKinley "B"	4
20-331	Bill Sweet Bowers "B"	2-A
20-421	C. H. Sweet McKinley "B"	2
21-331	Antwell Hobbs Cone Townsite	1
23-121	C&C Operating Corp. Shipp "A"	1
23-211	Texas Pacific State "V"	3
23-231	Texas Pacific State "V"	5
23-321	Shell State "F"	2
23-341	Yates Shell State	3
23-411	C. H. Sweet State "F"	1-A
23-431	C. H. Sweet State "F"	3
24-121	Amerada State "E"	1
24-211	Shell State "D"	2
25-121	Samedan State "B"	2
25-231	Exxon New Mexico "A" State	6
25-341	Exxon New Mexico "A" State	5
25-431	Exxon New Mexico "A" State	1
2 26-411	Getty Hobbs "E"	1

Proposed Well Number	Operator-Lease	Well Number
2 27-111	Shell Sanger	6
28-111	Atlantic Grimes "SOC"	3
28-221	Atlantic Grimes "SOC"	2A
28-231	Shell Grimes	3
28-431	Conoco Grimes	4
29-111	Exxon Bowers "A" Fed. Com.	35
29-331	Conoco State "A-29"	1
29-411	Exxon Grimes	1
30-141	Marathon State 30	9
31-121	Sun Fowler	4
31-141	Mobil Berry	4
31-211	Getty Fowler	1
31-311	Cities Service Fowler	2
33-411	Gulf Grimes "B"	4
34-421	Moran Hobbs	1
36-211	Gulf Holt NCT "D"	1
36-321	Amerada State "C"	3
36-411	Amerada State "C"	1

PROPOSED WELL NO. 18-141

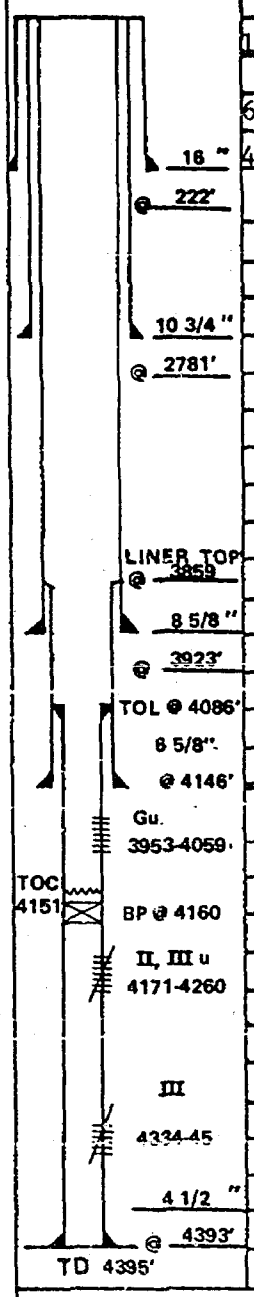
COMPLETION DATE 6-16-32 — AMERADA HARDIN NO. 1 — COMPLETION INTERNAL: 3953-4059(G)

RECOMPLETION DATE Deep. 9/40, 1/69 TA 1/76 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330 FWL — SECTION 18M — BLOCK

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

DATUM 3673 [DF] G.L. ELEV. — TD 4395' — PBTD 4151' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
16"	70#	222	250	Circ.*	18-1/2"*
10 3/4"	45#	2781	450	1656 *	13-1/2"*
8 5/8"	32#	3923	275	2133 *	10" **
6 5/8" lir		3859/4146	50	3859 *	8-1/4"**
4½" lir.		4086/4393	100	4086 *	6-1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3946	-273
GL	4044	-371
I	4059	-386
II	4140	-467
IIIu	4205	-532
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/32		*3925-4158	OH
9/40		*4146-4219	OH
1/69	III	*4334-38, 4343-45	2 JPF
1/69	II, IIIu	*4171-74, 4210-12, 4230-40, 2 JPF	
		4254-60	
1/75	Gu	3953-65, 3995-4000, 4006-22, 4032-58, 2 JPF	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/69	4334-45	Sqz'd. w/50 SX cmt.
1/75	4171/4260	BP @ 4160' w/1 SK. cmt. to 4151'.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/40		500 gal.	AT		257BO
5/68		500 gal. SAF+2500gal	15% NEA		
1/69	4334-45	500 gal. 15% NEA	AT		-
1/69	4171/4260	1000 gal. 15% NEA	AT		
1/75	Gu	3000 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 6 5/8" hr., run 9-40, 4 1/2" hr. run 1/69

9-53: Ran BHP & Temp. surveys - no csg. leaks.

DATE 8/18/78 KLI

PROPOSED WELL NO. 36-411

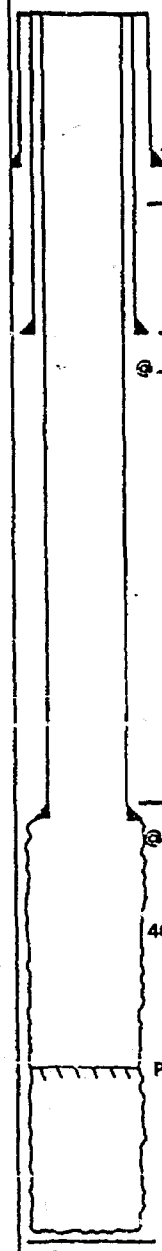
COMPLETION DATE 1/28/31 — AMERADA STATE C NO. 1 — COMPLETION INTERNAL: 4062-4167(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330 FEL SECTION 36 A BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3658' DF] G.L. ELEV. _____ TD 4236' PBTD 4167' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	242	400	Circ.*	18"**
10"	45#	2750	500	1418*	12 3/4"**
7"	24#	4062	500	1038*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4053	-395
GL	4178	-520
I	4217	-559
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/31	G	4062-4167	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
4/54	4062/4236	Sqz'd w/100 SX; drld. out to 4167'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/54	G	2500 gal. 15% acid; 6000 X 6000 frac			
4/67	G	1000 gal. 15% NEA	AT		
3/68	G	500 gal. toluene + 500 gal. 15% reg.	AT		
5/68	G	6000 gal. 15% XEW	AT		
3/77	G	1000 gal. xylene, 7500 gal. 20%	NEA		3380 998W

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 3-77: Attempted to recover fish from OH-no results

DATE 8/18/78 KLL

PROPOSED WELL NO. 36-321

COMPLETION DATE 11/2/56
RECOMPLETION DATE 10/74 (TA)

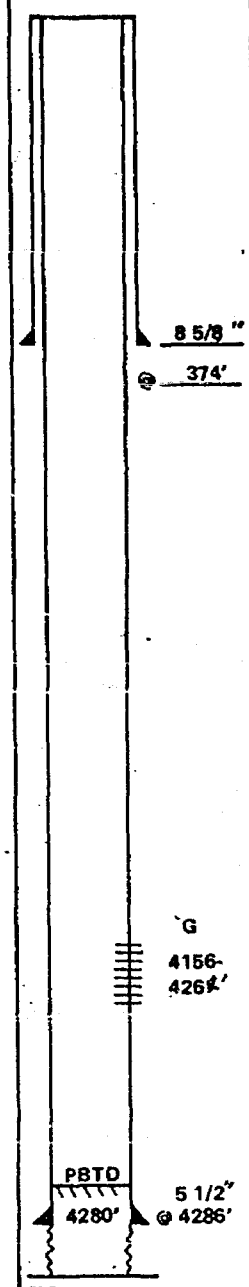
AMERADA STATE C NO. 3
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: _____

LOCATION 1650' FNL & 1650' FEL SECTION 36 C BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3663' [DF] G.L. ELEV. _____ TD 4293' PBTD 4280' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	374	350	Surf.	12 1/4
5 1/2"	15.5#	4286	400	2825'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1635	
T. Salt	1738	
B. Salt	2697	
Yates	2844	
7 Riv	3077	
Queen	3660	
Gu	4167	-504
GL	4274	-611
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/56	G	4156-4224, 4240-48, 4253-62	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/56	G	1000 gal. 15%; 20,000	X 11,000 frac		6480 MCFD 17BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78KLL

PROPOSED WELL NO. 24-121

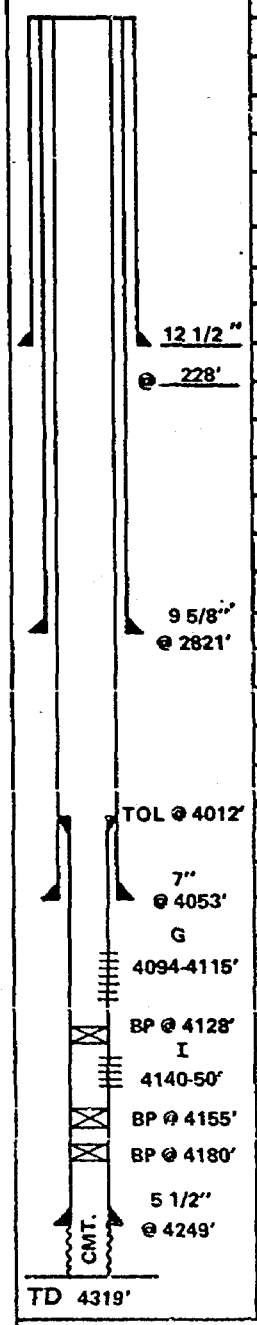
COMPLETION DATE 1/35 — AMERADA STATE E NO. 1 — COMPLETION INTERNAL: 4094-4115(G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FWL SECTION 24E BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3682' [DF] G.L. ELEV. TD 4319' PBTD 4128' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	228	250	Circ.*	16"**
9 5/8'	36#	2821	450	1170*	11 3/4"**
7"	24#	4053	300	2239*	8 3/4"**
5 1/2" Inr.	14#	4012/4249	-		6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4010	-328
GL	4103	-421
I	4115	-433
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/35	G,I	4053-4240	OH
10/41	I	4212-34	3 SPF
10/41	I	4142-4206	42 holes
10/41	I	4140-50 (dense)	30 shots
8/74	G	4094-4115	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
19/41	4206	Set ret. = sqz'd w/25 SX

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/35		2000 gal.	4053-4240		
10/41		3000 gal.			
8/74		1500 gal	4094-4115		
3/76		3000 gal. 20%	4094-4115*		
8/75		2000 gal. 15%	4094-4115		

OPT 7292BO, 549 BW, 4260 MCFGD

DATA AVAILABLE OST ☐ PVT ☐ CORE ☐ OTHER

REMARKS: *NMOCD shows 4140-50 also but believe ret. @ 4128'

DATE: 8/18/78 KL

PROPOSED WELL NO. 14-341

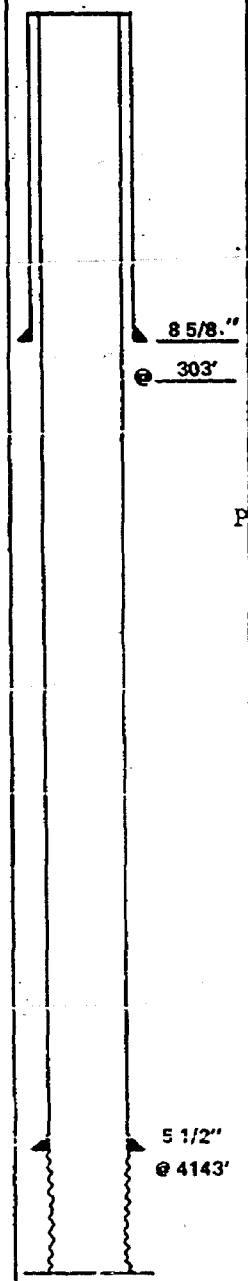
COMPLETION DATE 11/1/57 — AMERADA STATE WHB NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 9/3/74(TA) — HOBBS (G-SA) UNIT

LOCATION 660' FSL & 1650' FEL SECTION 14 O BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' DF] G.L. ELEV. _____ TD 4176' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	303	250	Surf.	12 1/4"
5 1/2"	15.5#	4143	400	2610	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1600	
T.Salt	1699	
B.Salt	2632	
Yates	2778	
7 Riv	3012	
Queen	3575	
Penrose	3715	
Gu	4076	-388
GL	4153	-465
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10-57	G	4143-76	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	500 gal. 15%; 5000, X 5000 frac,			454BO
8/60	G	30,000 gal X 30,000 frac		22BO	71BO
8/74	G	1000 gal. 15% NEA			

OPT 454 BO — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78 KLL

PROPOSED WELL NO. 14-231

COMPLETION DATE 8/8/58 — AMERADA STATE WHB NO. 2 — COMPLETION INTERNAL: 4156-4228(G)

RECOMPLETION DATE 6/73 (TA) — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2310' FWL SECTION 14K BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3698' [DF] G.L. ELEV. TD 4250' PBTD 4247' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24.32#	262	250	Surf.	12 1/4"
5 1/2"	14#	4249	400	2705	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1643	
T.Salt	1745	
B. Salt	2694	
Yates	2840	
7 Riv	3080	
Gu	4212	-514
GL	4346	-648
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

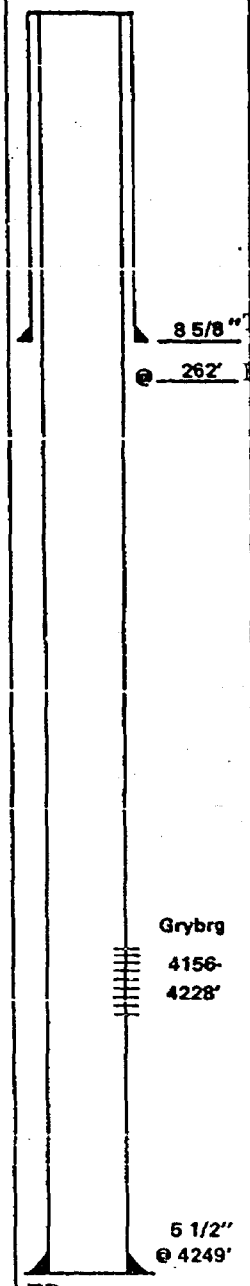
DATE	ZONE	DEPTHS	DENS & SIZE
8/58	G	4156-84, 4188-4208, 4214-28	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/58	G	1500 gal. 15%; 10,000X	10,000 frac.		67BO 3BW



OPT 113 BO — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE:8/18/78KLL

PROPOSED WELL NO. 21-331

COMPLETION DATE 10/64 — ANTWEIL HOBBS CT NO. 1 — COMPLETION INTERNAL: 4185-4206'(G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2260' FEL — SECTION 21 J — BLOCK

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

DATUM 3647' [GL] G.L. ELEV. — TD 4225' — PBTD 4222' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	20#	430	250	Circ.	11"
4 1/2"	9.5#	4224	485	2288*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

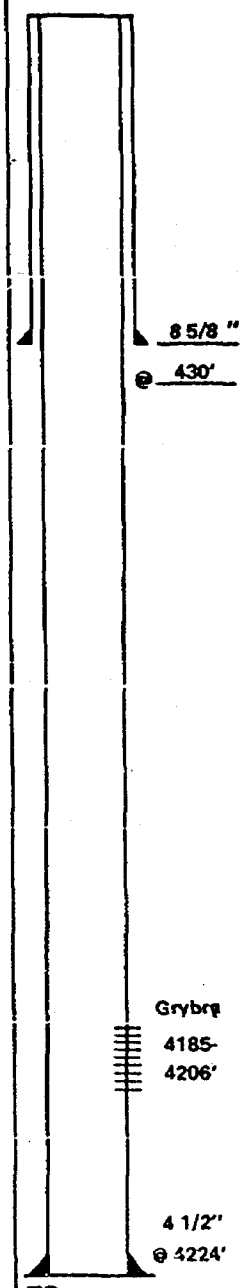
DATE	ZONE	DEPTHS	DENS & SIZE
	G	4185, 4186, 4187, 4191, 92, 4193, 4194, 4195, 4203, 4204, 4205, 4206	12 holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
	G	1500 gal.; 20,000 gal	frac & 17,000# sd.		



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: Deviation

Cored 4125-4219'

DATE: 8/18/78KLL

WR-31988

COMPLETION DATE 2-20-59 — PROPOSED WELL NO. 28-221 — COMPLETION INTERNAL: 4164-4240(II) (IIIU)

RECOMPLETION DATE 7-1-71 — ATLANTIC GRIMES SOC NO. 2-A — HOBBS (G-SA) UNIT

LOCATION 1910' FNL & 1650' FWL — SECTION 28F — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3646' [GL] G.L. ELEV. — TD 4240' — PBTD 4238' [ ]

*CALCULATED **ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	581	600	Circ.	15"
7"	20,23#	4240	682	*116	8 3/4'

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

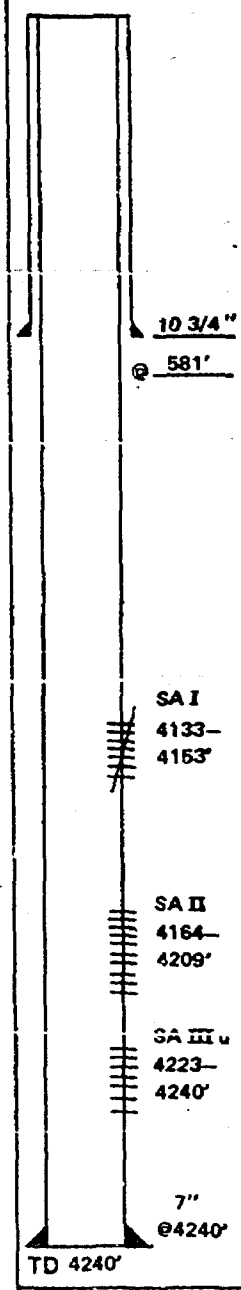
ZONE	TOP	SUBSEA
Anny	1614	
Yates	2715	
7 Riv	2936	
Queen	3474	
Penrose	3620	
GU	4012	-366
GL	4106	-460
I	4110	-464
II	4160	-514
IIIU	4218	-572
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/59	I	*4133-53	4 SPF
7/71	III	4223-28, 4232-40	
12/74	II	4164,72,76,82,85,93,95,	1 1/2" SPF
		4202,06,09	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/71	4133-53	Sqz'd w/25 sx cmt.



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/59	I	500 gal.	AT		218BO,
					0BW
7/71		2000 gal. 15% LSTNE	AT	16BO,	52BO,
				67BW	4BW
12/74	III	2000 gal. 15% LSTNE	AT (4223-40')		35BO,
					1BW
12/74	II	2000 gal. 15% LSTNE	AT (4164-4209')		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Installed BOP on 12/17/74. Bradenhead leak 9/77, see attached report.

DATE: 8-21-78 KL

PROPOSED WELL NO. 28-111

COMPLETION DATE 7/10/34 — **ATLANTIC GRIMES SOC NO. 3** — COMPLETION INTERNAL: 4109-4121'(G

RECOMPLETION DATE _____ — **HOBBS (G-SA) UNIT**

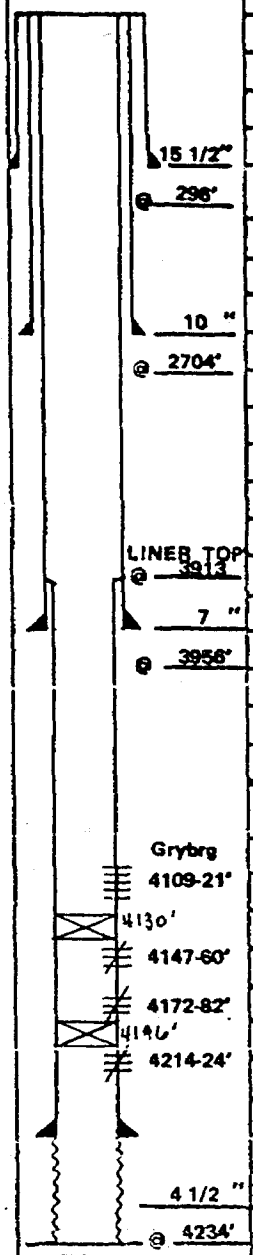
LOCATION 990' FNL & 330' FWL SECTION 28D BLOCK _____

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

DATUM 3646' (GL) G.L. ELEV. _____ TD 4280' PBTD 4130' ( )

Deepened 9-22-35, 8-27-61

7-9-67



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15½"	70#	296	200	Circ.*	18"**
10"	45#	2704	150	2304*	12 3/4"**
7"	26#	3956	250	2244*	8 3/4"**
4½" lnr.	11.6#	3913/4234	50	393*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4024	-378
GL	4120	-474
I	4125	-479
II	4189	-543
IIIu	4254	-608
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/34		*3956-4225	OH
8/61	II	*4214-24	
2/65	I	*4172-82	
8/67	I	*4147, 4151, 4154, 57, 60	
9/67	G	4109, 11, 14, 17, 19, 21	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
2/65	4214-24	Retainer @ 4196' w/105 SX cmt.
6/67	4172-82	Sqz'd. w/100 SX cmt.
8/67	4234-80	(OH) - 100 SX cmt. to 4166'
9/67	4147-60	Retainer @ 4130' w/150 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
7/34		1000 gal.			
9/35		5000 gal.			
9/35		7000 gal.			
8/61		250 gal. (4214-24')		23BO 8BW	64BO 8BW
2/65	C	250 gal.			32BO 140BFW
7/67		500 gal. 15% NEA (4234-80')			2BO 106BFW
7/67		250 gal. 15% NEA (4254-80')	ISIP 150#		
7/67		500 gal. 15% NEA (4242-80')	ISIP 1700#		
8/67	I	250 gal. BDA			
9/67	G	500 gal. BDA	ISIP 1400#		
9/67	G	1500 gal. 15% LST	ISIP 750#		35BO 59BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78 KLL

PROPOSED WELL NO. 23-121

COMPLETION DATE 12-16-59 — C&C SHIPP A NO. 1 — COMPLETION INTERNAL: 4065-4308(G)

RECOMPLETION DATE Deepened 1-25-70 — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FWL — SECTION 23E — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

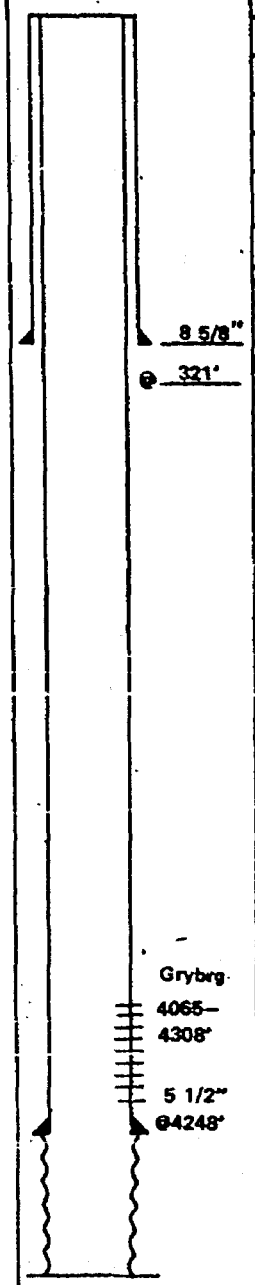
DATUM 3691' [DF] G.L. ELEV. — TD 4308' — PBTD 4248' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	321	175	Circ.	11 1/4"
5 1/2"	14#	4248	425	2710	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL



LOG TOPS

ZONE	TOP	SUBSEA
Yates	2882	
7 Riv	3235	
Bowers	3460	
Queen	3715	
Penrose	3858	
GU	4176	-485
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/59	G	4065-4128, 4168-4230	
1/70	G	4248-4308	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/59	G	500 gal. AT; 10x10 frac			
		(4168-4230)			
		500 gal. AT; 10x10 frac			
		(4065-4128)			14BO
1/70	G	250 gal. AT	(OH)		

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PROPOSED WELL NO. 17-131

COMPLETION DATE 6-12-57 — CHEVRON STATE 17 NO. 1 — COMPLETION INTERNAL: 4127-87'(G)

RECOMPLETION DATE TA 6-73 — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 330' FWL SECTION 17L BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3668' [DF] G.L. ELEV. TD 4207' PBTD 4195' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	32, 36#	423	240	*Circ.	12 1/4"
7"	23#	4206	925	Circ.*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1650	
T Salt	1740	
B Salt	2750	
Yates	2794	
7 Riv	3025	
Queen	3600	
Penrose	3756	
GU	4105	-437
GL	4197	-529
I	4208	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

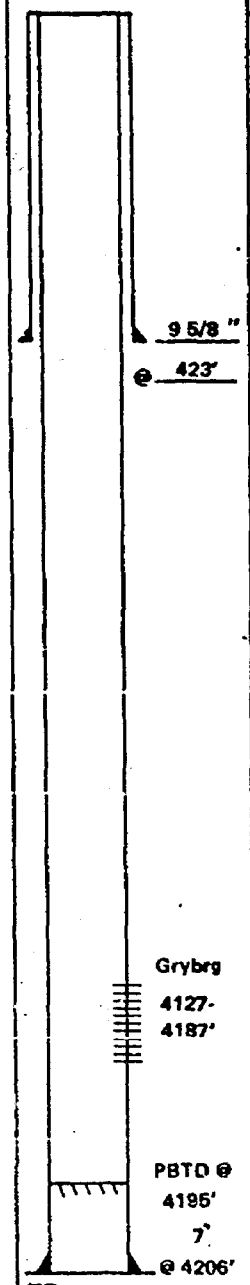
DATE	ZONE	DEPTHS	DENS & SIZE
7/57	G	4127-44, 4152-58	4 JPF
7/62	G	4166, 4174, 4187	Sandjetted

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
7/57	G	500 gal. MA; 15 X 22.5	FRAC		
7/62	G	15 X 22.5	FRAC		
				9BO	50BO,
					15BW



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE:8-28-78 KL

PROPOSED WELL NO. 31-311

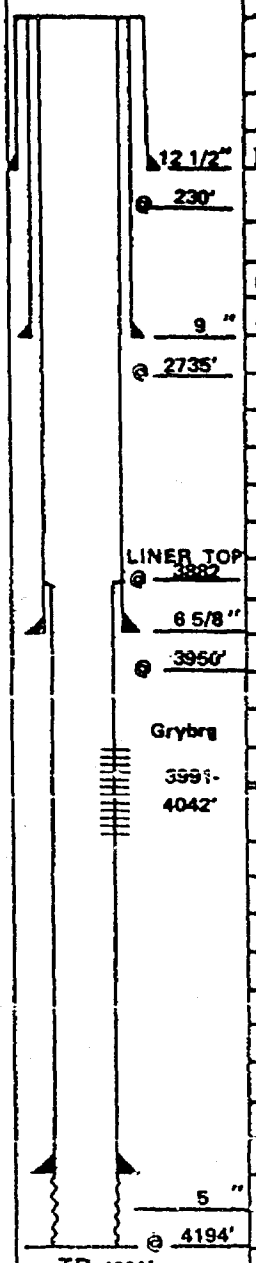
COMPLETION DATE 9/13/30 — CITIES SERVICE FOWLER NO. 2 — COMPLETION INTERNAL: 3991-4042' (G)

RECOMPLETION DATE TA 3-75 — HOBBS (G-SA) UNIT

LOCATION 440' FNL & 2310' FEL SECTION 31B BLOCK

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

DATUM 3649' [GL] G.L. ELEV. TD 4201' PBTD 4192'



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	230	200	Circ.*	16"**
9"	36#	2735	500	1275*	11 3/4" **
6 5/8"	24#	3951	250	2227*	8 1/4" **
5" lnr.	18#	3882/4194	35	3882*	6 1/4" **
Hydril	FJ				

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3924	-275
GL	4072	-423
I	4078	-429
II	4141	-492
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G	*3950-4201	OH
11/69	G	*3991, 3996, 4000, 37, 42	1 SPF
		4064, 4067	
11/69	G	3991, 3996, 4000, 37, 42	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/69	3991/4067	Sqz'd. w/50 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/70	G	3000 gal.	AT-3 stages		136 BW
8/70	G	3500 gal.	AT-3 stages		45BO 207BW

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 9-1-53: 9" X 6 5/8" SIP 1000 psi. 32/64" ck. swab gas 3½ hrs. Last 2 hrs. stab. @ 97.8 MCF/D. Temp survey indicated gas coming from Yates.

DATE: 8/18/78KLL

WR-31986

PROPOSED WELL NO. 19-111

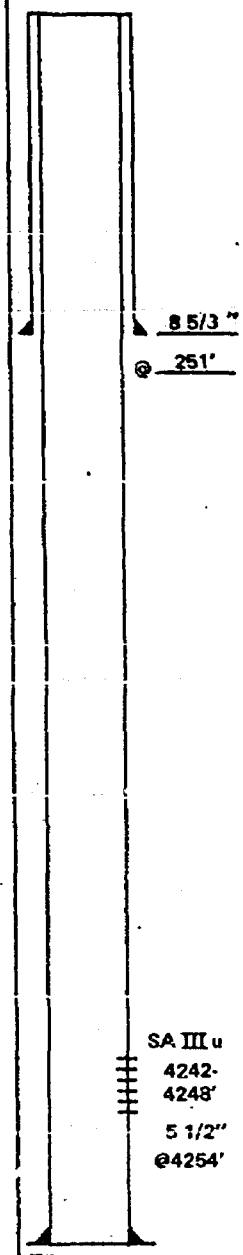
COMPLETION DATE 5-12-52 — CITIES SERVICE HARDIN NO.5 — COMPLETION INTERNAL: 4242-4248(IIIU)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 990' FWL SECTION 19D BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3671' [DF] G.L. ELEV. _____ TD 4255' PBTD 4253' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	251	200	Circ.	11"
5 1/2"	14 #	4254	1500	1108'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1490	
Salt	1585	
Br Li	2800	
GU	3923	-252
GL	4016	-345
I	4016	-345
II	4097	-426
IIIU	4164	-493
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/52	IIIU	4242-48'	6 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/52	IIIU	250 gal.	AT		272 BO
6/75	IIIU	2000 gal. 15% HCl	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: For csg. leak repair 6/75, see attached sheet.

DATE: 8-21-78 KLL

PROPOSED WELL NO. 28-431

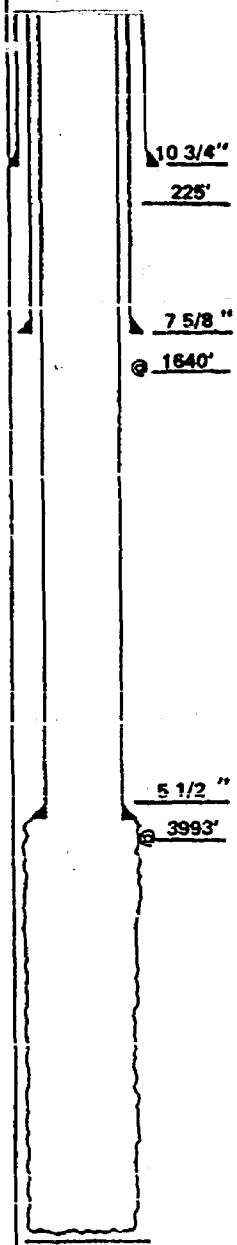
COMPLETION DATE 9/6/35 — CONTINENTAL GRIMES NO. 4 — COMPLETION INTERNAL: 3993-4084(G) 4084-4225(SA)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FEL & 1650' FSL SECTION 28I BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3648' (GL) G.L. ELEV. _____ TD 4225' PBTD _____ ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	225	150	Circ.*	13½"**
7 5/8"	26.4#	1640	400	Circ.*	9 5/8"**
5 1/2"	17 #	3993	400	1894*	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2730	
Buff	2850	
Hobbs	3600	
White	4085	
Is		
GU	3998	-350
GL	4083	-435
I	4088	-440
II	4157	-509
IIIU	4218	-570
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	3993-4084	OH
	I	4084-4156	OH
	II	4156-4213	OH
	IIIU	4213-4225	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
		3000 gal. Dowell xx			162 BO
		4000 gal.			173 BO
		5000 gal.			5437BO/D

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 9-9-53: With TP @ 190 psi, 5 1/2" CP 1000 psi, 7 5/8" CP 200 psi, bradenhead was opened. Salt water flowed thru 7 5/8" csg. 5 min. & died. All pressure bled off 7 5/8" csg. & 5 1/2" CP remained @ 1000 psi.

DATE: 8-21-78 KLL

Well now producing

COMPLETION DATE 9-28-30
RECOMPLETION DATE 1-76 (TA)

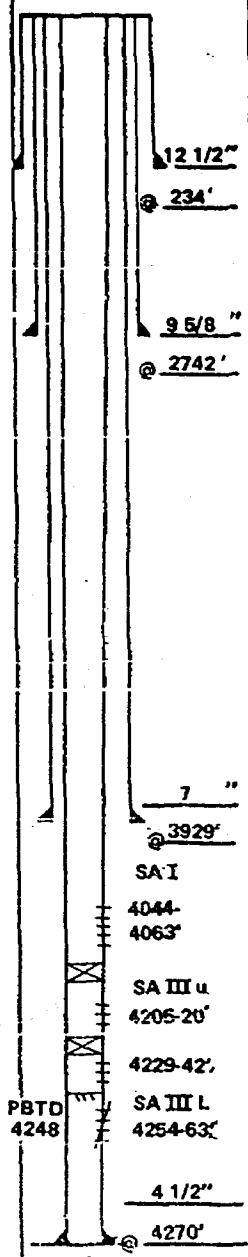
PROPOSED WELL NO. 29-331
CONTINENTAL STATE A-29 NO.1
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: 4044-4063(I) 4205-4242(IIIU)

LOCATION 1650' FSL & 1650' FEL SECTION 29J BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3655' [DF] G.L. ELEV. TD 4270' PBTD 4248' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50	234	170	Circ.*	16"**
9 5/8"	40	2742	500	907*	11 3/4"**
7"	24	3929	300	2115*	8 3/4"**
4 1/2"	10.5	4270	750	*Circ.	6 1/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1530	
T Brn	2769	
T Salt	1670	
B Salt	2490	
BuffIs	2769	
Ector	3770	
GU	3902	-247
GL	3998	-343
I	4010	-355
II	4079	-424
IIIU	4149	-494
IIIL	4251	-596
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/75	IIIL	*4254-63	2 SPF
7/75	IIIU	4205--20, 4229-42	2 SPF
7/75	I	4044-52, 4058-63	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/75	4254-63	Sqz'd w/100 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/35		1000 gal.	AT		
8/35		2000 gal. (4121-78')	AT		
7/75		1250 gal. 28% (4254-63)	AT		
7/75		2000 gal. 28% (4205-42)	AT		
7/75		1000 gal. 28% (4044-63)	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Found holes in 7" csg. @ 250', 1230', 1424', 1468' & 1563'

DATE: 8-22-78 KL

PROPOSED WELL NO. 13-141

COMPLETION DATE 9/20/35 — **CONTINENTAL STATE B-13 NO. 2** — COMPLETION INTERNAL: 4002-4040

RECOMPLETION DATE 1-51 (TA) — **HOBBS (G-SA) UNIT**

LOCATION 660' FSL & 660' FWL SECTION 13M BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3684' (DF) G.L. ELEV. TD 4235' PBTD [ ]

13 " @ 270'

9 5/8 " @ 1630'

LINER TOP @ 3957'

7 " @ 4005'

5 " @ 4235'

TD 4235'

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT	TOC	HOLE SIZE
13"	50#	270	200	Circ.*	16"**
9 5/8"	36#	1630	400	469*	12 1/4"**
7"	24#	4005	400	1586*	8 3/4"**
5"lnr.		3957/4235	75	3957*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3938	-254
GL	4049	-365
I	4087	-403
II	4174	-490
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT 6392 BOPD w/10 mm ft^3 gas

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: Poss. GL

(See Attached)

DATE: 8/18/78KLL

PROPOSED WELL NO. 13-221

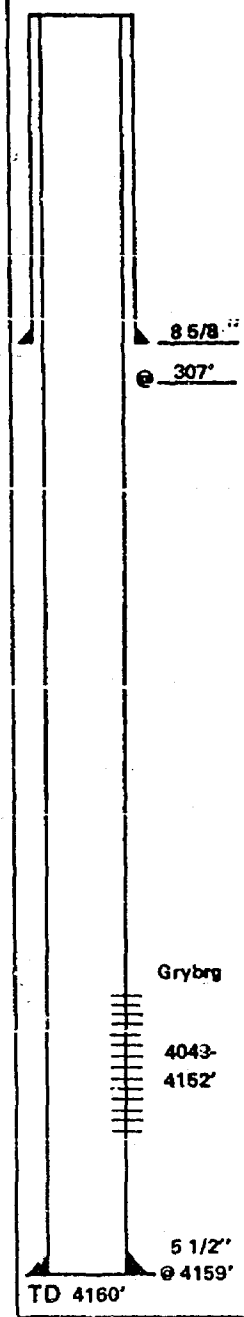
COMPLETION DATE 4/1/57 — **CONTINENTAL STATE B-13 NO. 4** — COMPLETION INTERNAL: 4049-4152(G)

RECOMPLETION DATE ____ — **HOBBS (G-SA) UNIT**

LOCATION 1980' FNL' & 1980' FWL SECTION 13 F BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' [DF] G.L. ELEV. ____ TD 4160' PBTD 4156' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	307	300	Circ.	11"**
5 1/2"	14#	4159	1700	1750	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1555	
T.Salt	1655	
B.Salt	2610	
Yates	2758	
7 Riv	3018	
Queen	3552	
Gu	4049	-361
GL	4152	-464
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/57	G	4049-64	60 shots
		4070-74	16 shots
		4076-82	24 shots
		4100-10	40 shots
		4114-18	16 shots
		4122-24	8 shots
		4140-52 SQUEEZE & REPAIR	32 shots

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
	4140-52	3000 gal. AT			
	4100-22	6000 ga. frac + 6000# sd			
	4049-82	6000 gal. frac + 6000# sd			170BO

OPT 170BO

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: S/I 8/20/74 due to uneconomical reasons.
Future plans: hold for secondary recovery

DATE 8/18/78KLL

WR-31988

PROPOSED WELL NO. 29-111

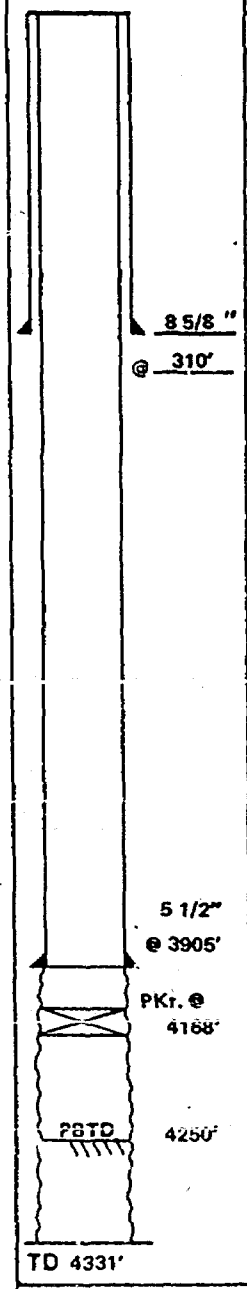
COMPLETION DATE 12-1-71 — EXXON BOWERS A FED. COM. NO. 35 — COMPLETION INTERNAL: 4168-4250'

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330 FWL SECTION 29D BLOCK _____

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

DATUM 3662' (DF) G.L. ELEV. _____ TD 4331' PBTD 4250' ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	310	150	Circ.	11"
5 1/2"	14#	3905	300	*2331*	7 7/8"
13 3/4"	21' of conductor w/2 yds. heavy wt				

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3988	-310
GL	4092	-430
I	4110	-448
II	4168	-506
IIIu	4240	-578
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-71	II	4168-4239	OH
"	IIIu	4239-4250	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PROPOSED WELL NO. 29-411

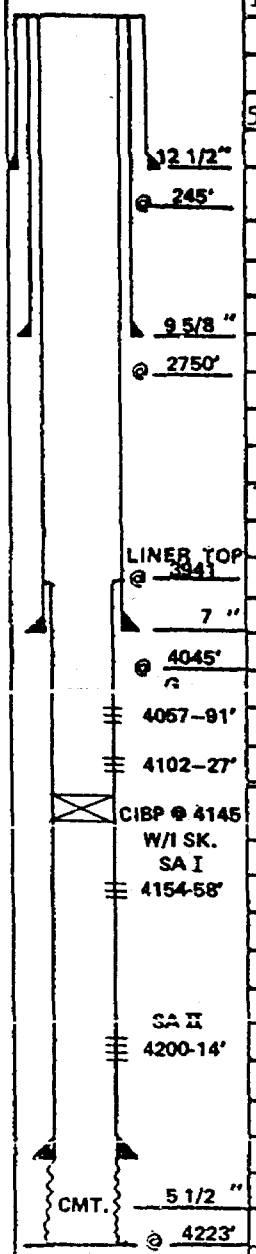
COMPLETION DATE 10-16-30 — EXXON GRIMES NO. 1 — COMPLETION INTERNAL: G

RECOMPLETION DATE — HOBBS (G-SA) UNIT — 4102-4127 I, 4154-4158 I, 4200-4214 II

LOCATION 990' FNL & 990' FEL SECTION 29A BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3647' [GL] G.L. ELEV. TD 4250' PBTD 4145' [CIBP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	245	250	Circ.	16"**
9 5/8"	36#	2750	650	365*	11 3/4"**
7"	26#	4045	300	2231*	8 3/4"**
5½" lnr.		3941/			
		4223	30	3941*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4013	-366
GL	4118	-471
I	4127	-480
II	4186	-539
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/57	G	4102-27	
5/72	I	4154-58	1 SPF
9/62	II	4200-14	2 SPF
		*4223-50 (OH)	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
9/62	4223-50	Sqz'd w/50 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/34		1000 gal. AT	4045-50' (OH)		
10/42		1000 gal. AT	4223-50' (OH)		
6/47		2000 gal. AT	4223-50' (OH)		
11/57		2500 gal. AT	4102-27'		
9/62		1000 gal. AT	4200-14'		
11/77		2000 gal. AT	4057-91'		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Tested 9 5/8" - 7" annulus 9/16/53 100# bled down <1 min.

Bleeder line from bradenhead to surf. 12/57.

DATE: 8-22-78 KLT

PROPOSED WELL NO. 25-431

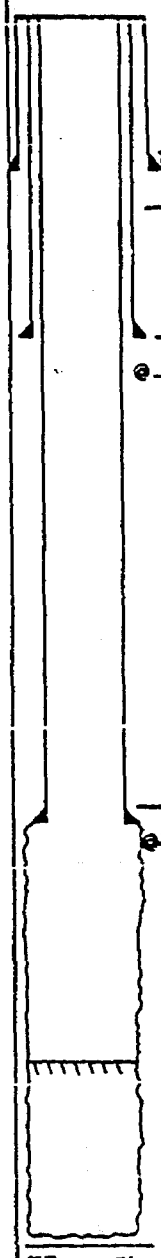
COMPLETION DATE 10/21/30 — EXXON N.M. STATE NO. 1 — COMPLETION INTERNAL: 3977-4095

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 330' FEL & 2310' FSL SECTION 25I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3649' [GL] G.L. ELEV. _____ TD 4215' PBTD 4095 [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	215	260	Circ.*	15"**
9 5/8'	36#	2750	650	365	11 3/4"**
7"	26#	3977	300	2163*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
		RA	

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1490	
T.Salt	1670	
B.Salt	2649	
Gu	3959	-310
GL	4047	-398
I	4077	-428
II	4167	-518
IIIu	4241	-592
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/30	G	3977-4095	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/72		4500 gal. 20%	Tbg-csg. annulus		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Has had annulus pressure flow

(See Attached) DATE 8/18/78 KLL

COMPLETION DATE 12/5/53 — PROPOSED WELL NO. 25-341 — COMPLETION INTERNAL: 4095-4210(G)

RECOMPLETION DATE —

EXXON N.M. STATE NO. 5

HOBBS (G-SA) UNIT

LOCATION 660' FSL & 1650' FEL — SECTION 25 O — BLOCK —

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

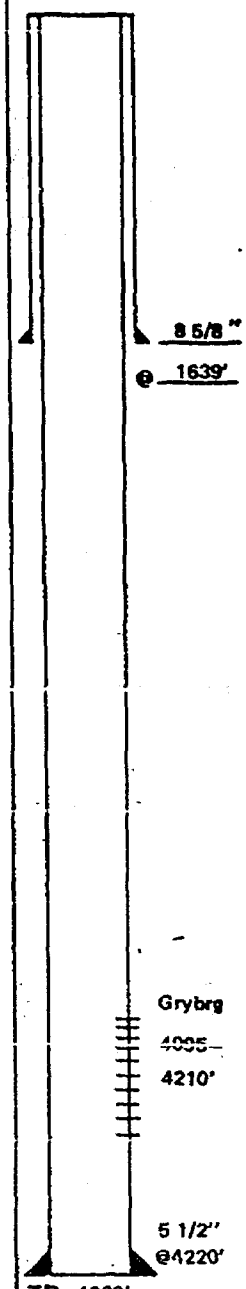
DATUM 3667' [GL] G.L. ELEV. 3656' — TD 4220' — PBTD 4220 [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT. used	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	29, 32#	1639	900	Circ.	11"
5 1/2"	15.5#	4220	1100	1620	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL



LOG TOPS

ZONE	TOP	SUBSEA
Bowers	3339	
Queen	3742	
Gu	4088	-421
GL	4192	-525
I	4212	-545
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/53	G	4095-4150	4 JPF
11/53	G	4170-4210	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/53	G	5000 gal (4170-4210)			
11/53	G	4000 gal. (4170-4220)			
8/59	G	5300 gal. frac + 13,000# sd.		21BO	36 BO
8/64	G	15000 gal. frac + 26,400# sd.		24BO 18BW	41BO 72BW
7/71	G	AT - unknown volume			

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/18/78 KLL

PROPOSED WELL NO. 25-231

COMPLETION DATE 3-1-55 — EXXON N.M. STATE NO. 6 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 2310' FWL SECTION 25 K BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3670' [DF] G.L. ELEV. _____ TD 4253' PBTD 4245' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	1800	1000	Circ.	11"
5 1/2"	14#	4252	1250	Circ.	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1625	
Yates	2814	
Queen	3778	
Gu	4114	-444
GL	4207	-537
I	4222	-552
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

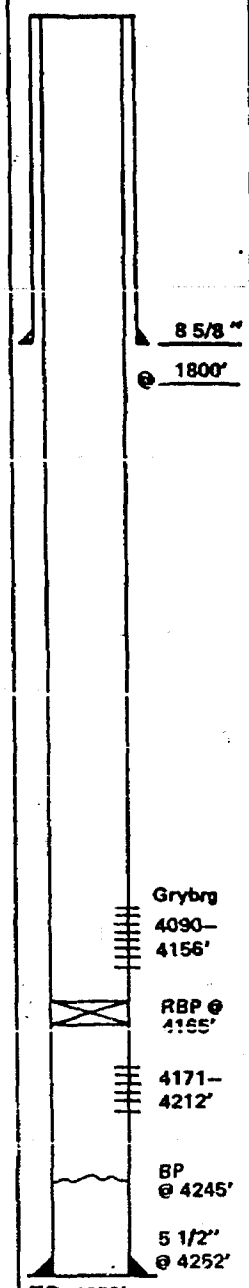
DATE	ZONE	DEPTHS	DENS & SIZE
2/55	G	4090-4156	4 JPF
2/55	G	4171-4212	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/55	G	7000 gal	AT-2 stages		140BO
1/60		5 X 7.5 frac (4090-4156 above RBP)			
9/69		36 X 46 frac (4090-4156?)			



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Line to surf. from bradenhead 12-57.

DATE 8/18/78 KLJ

PROPOSED WELL NO. 31-211

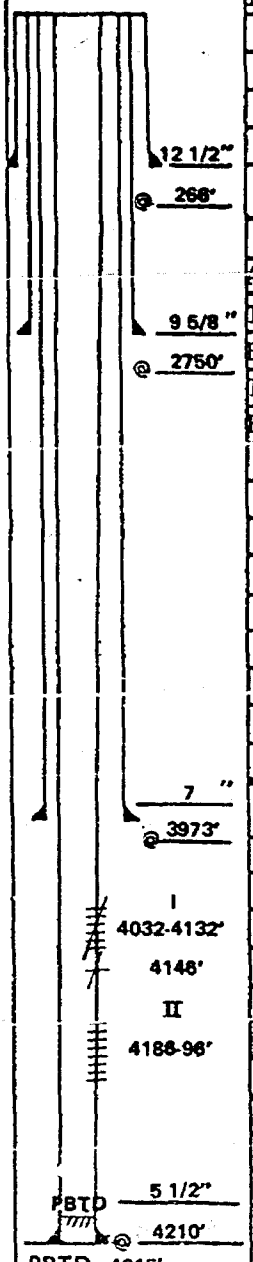
COMPLETION DATE 9-14-30 — GETTY FOWLER NO. 1 — COMPLETION INTERNAL: 4186-4196(II)

RECOMPLETION DATE 10-18-71 — HOBBS (G-SA) UNIT

LOCATION 440' FNL & 2310' FWL SECTION 31C BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3651' [DF] G.L. ELEV. TD 4215' PBTD 4200' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	266	185	Circ.*	16" **
9 5/8"	36#	2750	400	1282*	11 3/4"**
7"	24#	3973	450	1252*	8 3/4"**
5"		4210	100	3025*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1460	
T Salt	1610	
B Salt	2532	
T Brn	2800	
Ector	3782	
GU	3958	-307
GL	4108	-457
I	4115	-464
II	4167	-516
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G,I,II	*3973-4215	OH
6/54	I	*4146	3 Holes
7/54	I	*4032-4132	
8/76	II	4186-96	6 Holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/54	4146	Sqz'd w/100 sx cmt. @ 6200#
6/74	4032/4196	Sqz'd w/115 sx Visqueeze Mark II
8/76	4106-94	Sqz'd w/80 sx Visqueeze Mark II

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/71	II	500 gal.	AT		112BO,
					74BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: High water prod.; prod. Zn+ comm.

DATE: 9-12-78 KLL

PROPOSED WELL NO. 19-311

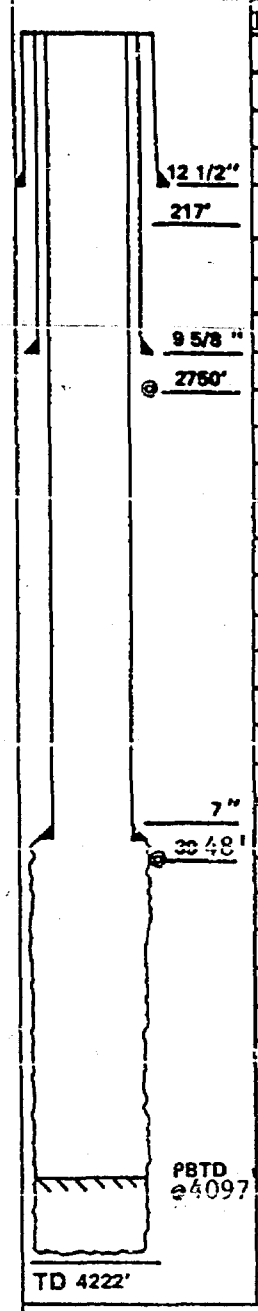
COMPLETION DATE 11-10-30 — GETTY HARDIN NO. 3 — COMPLETION INTERNAL: 3952-4086(G), 4086-4097(SA)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1309' FNL & 2310' FEL SECTION 19B BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3667' [GL] G.L. ELEV. TD 4222' PBTD 4097 [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	217	200	Circ.*	16"**
9 5/8"	36#	2750	600	548*	11 3/4"**
7"	24#	3952	300	2138*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3984	-317
GL	4080	-413
I	4086	-419
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	3952-4086	OH
	I	4086-4097	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/42	4127-29	Formation Packer

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/72		13x22.5 frac.	ISIP 2000#		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Welded bradenhead between surf. and intermediate. Installed bleeder line to surf. 11/18/57. Repaired csg leak 2/12/43 per attached.

DATE 8-21-78 KL

WR-3198 A

PROPOSED WELL NO. 19-411

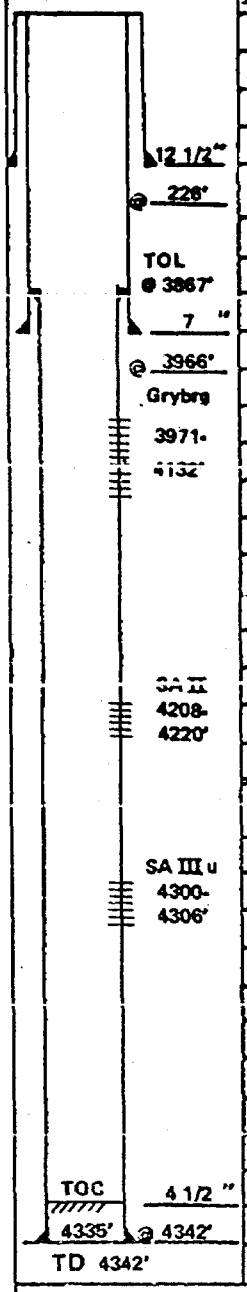
COMPLETION DATE 2-16-33 — GETTY HARDIN NO. 4 — COMPLETION INTERNAL: 3971-4108(G), 4128-4132(I), 4208-4248(II), 4300-4306(IIIU)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1300' FNL & 1300' FEL SECTION 19A BLOCK ____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3662' [DF] G.L. ELEV. ____ TD 4342' PBTD 4335' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	226	200	*Circ.	18 1/4"
7"	36#	3966	700	*Circ.	8 3/4"**
4½" lnr.		3867/ 4342	100	*3867	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
		G-N	

LOG TOPS

ZONE	TOP	SUBSEA
GU	4013	-350
GL	4112	-449
I	4120	-457
II	4192	-529
IIIU	4254	-591
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/33	G,I,II	*3966-4231'	OH
12/61	II,IIIU	4235-48'	
8/70	G,I	3971,87, 4009,38,46,50,	1 SPF
		66,89, 4100,08,28,32	
10/71	II	4208-4220	
1/65	IIIU	4300-06	1 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/70	G, I	1250 gal.	AT		
10/71	II	1000gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8-22-78 KLB

PROPOSED WELL NO. 26-411

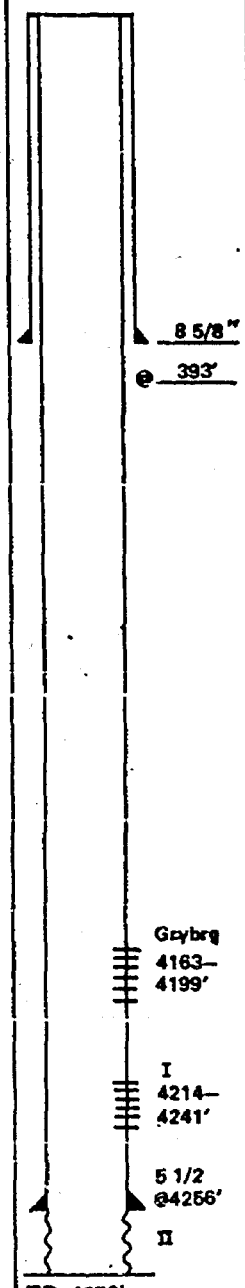
COMPLETION DATE 10/1/56 — GETTY **HOBBS E NO. 1** — COMPLETION INTERNAL: 4163-4199(G) 4214-4276(SA)

RECOMPLETION DATE 9/6/69(Deep.) — **HOBBS (G-SA) UNIT**

LOCATION 330' FNL & 330' FEL SECTION 26A BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3679' [DF] G.L. ELEV. TD 4276' PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	393	200	Circ.	11"
5 1/2"	14#	4256	400	2157*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1650	
T.Salt	1752	
B.Salt	2713	
Yates	2853	
7 Riv.	3190	
Queen	3644	
Gu	4144	-465
GL	4239	-560
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/56	G	4163-4199	132 holes
10/56	I	4214-4241	
10/56	II	4256-4276	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/56	G,I	500 gal. AT; 15,500	frac		84BO
8/69	II	750 gal. 15% NEA	AT - 2 stages		46BO 1BW
12/71	G,I,II	750 gal. 15% paragon	AT		78O 2BW
5/73	G,I,II	1000 gal. 15% NEA; 25,888X22,200	frac		118O 6BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: DST #1 (4130-4256)-Open 3 hrs., gas to surf. in 15 min.; rec 140' brackish heavy gas-cut drlg. wtr., 430' HO & GCM est. 50% oil & 230' free oil HP in 2480# out 2455#, IFP 135#, FFP 383#, 30 min bldup 1140#.

DATE 8/21/78KLL

PROPOSED WELL NO. 14-321

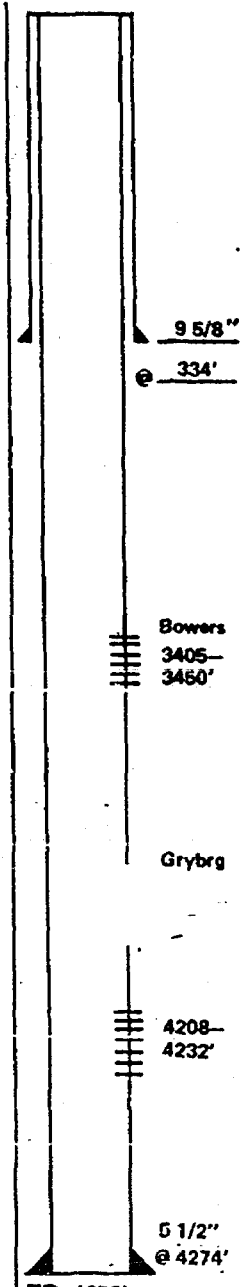
COMPLETION DATE 12-10-59 — GETTY STATE B NO. 2 — COMPLETION INTERNAL: 4208-4232(G) 3405-3450 (BOWERS)

RECOMPLETION DATE 9-17-74 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 1650' FEL — SECTION 14G — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3698' [DF] G.L. ELEV. — TD 4275' — PBTD 4270' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	25.4#	334	325	Circ.	11"
5 1/2"	15.5#	4274	600	2595	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1613	
Yates	2826	
Tansi	2673	
Bowers	3094	
Queen	3641	
Penrose	3794	
GU	4203	-505
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/59	G	4208-18, 4226-32	2 SPF
9/74	Bowers	3405,07,10,41,45,50	1 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/59	G	1000 gal. AT; 10x10 frac			37BO,
					17BW
11/74	G	1750 gal. 15% AT;			
		17x21.5 frac.			
11/74	Bowers	840 gal. 15% NEA; 10x20			
		frac			9BO,2BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Request for downhole commingling approved 10/22/74.

DATE: 8-21-78 KL

PROPOSED WELL NO. 33-411

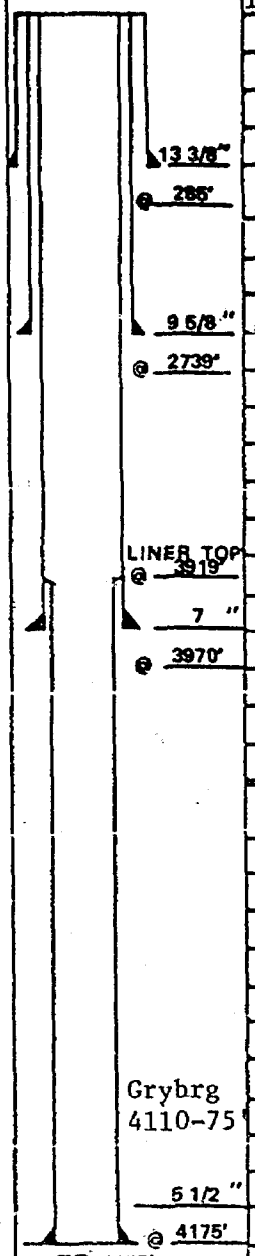
COMPLETION DATE 11-16-34 — GULF GRIMES B NO. 4 — COMPLETION INTERNAL: 4110-4175 (II) (IIIU)

RECOMPLETION DATE 5-56 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 660' FEL — SECTION 33A — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3642'. [GL] G.L. ELEV. — TD 4175' — PBTD — [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	54.5#	285	200	Circ.*	17"**
9 5/8"	36#	2739	350	1723*	12 1/4"**
7"	24#	3970	150	3063*	8 3/4"**
5½"	lnr.14#FJ	3919/			
		4175	40	3919*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3915	-273
GL	4008	-366
I	4008	-366
II	4064	-422
IIIU	4122	-480
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	II	*4077-4122	OH
	IIIU	*4122-75	OH
5/56	II,IIIU	4110-14,4130-42,4145-75	4 1/2" SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/34	II,IIIU	4000 gal.	AT - 2 Stages		
5/77		1500 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Suspected csg. leak - could not find it.

DATE: 8-22-78 KL

PROPOSED WELL NO. 18-331

COMPLETION DATE 5-14-59 — GULF HARDIN NO. 5 — COMPLETION INTERNAL: 4052-4107(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1980' FSL & 1980' FEL SECTION 18J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3675' [DF] G.L. ELEV. _____ TD 4170' PBTD 4165' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	320	310	Circ	12 1/4"
4 1/2"	9.5 #	4170	1027	1710	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1586	
Yates	2732	
7 Riv	2978	
Queen	3514	
Penrose	3661	
GU	4008	-333
GL	4094	-419
I	4114	-439
II	4183	-508
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

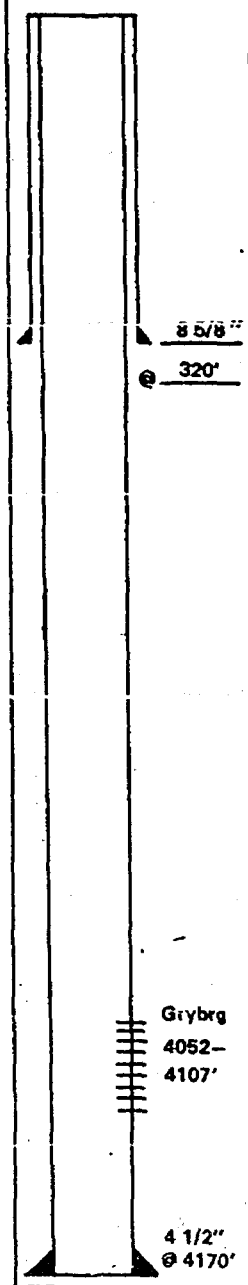
DATE	ZONE	DEPTHS	DENS & SIZE
5/59	G	4052-59, 4062-64, 4072-74	40 Holes
		4086-88, 4092-94, 4105-07	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/59	G	20,000 x 1-2.5#/gal.			58BO
		frac.			
6/68	G	500 gal. 15% FE NEA			
12/70	G	1000 gal. 15% NEA			



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8-21-78 KLL

PROPOSED WELL NO. 18-421

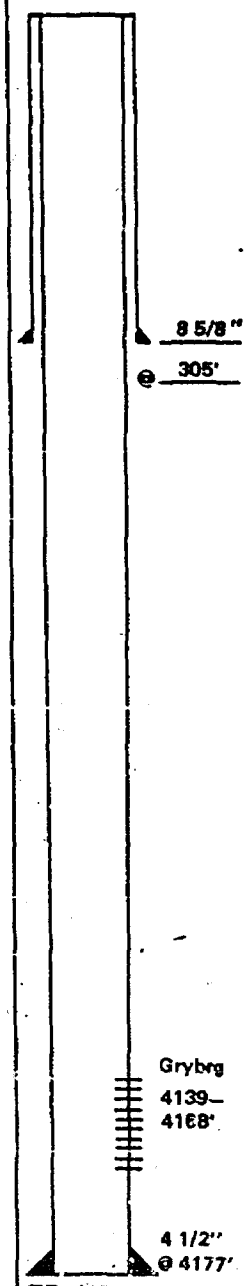
COMPLETION DATE 9/9/59 — GULF HARDIN NO. 6 — COMPLETION INTERNAL: 4139-4168(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1880' FNL & 660' FEL SECTION 18H BLOCK ____

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

DATUM 3673' [DF] G.L. ELEV. ____ TD 4177' PBTD 4172' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	305	300	Circ.	12 1/4
4 1/2"	9.5#	4177	350	2799	6 3/4

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1663	
Yates	2817	
7 Riv	3072	
Queen	3614	
Penrose	3716	
Gu	4100	-427
GL	4181	-508
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4139-41, 4146-48, 4156-58	4 SPF
		4166-68	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/59	G	20,000 X 1-2.5#/gal	frac		144BO
10/64	G	1,000 gal. 15%	AT	4BO 0BW	10BO 0BW
6/68	G	1,000 gal. 15% FE NEA	AT		
12/70	G	1,000 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLL

PROPOSED WELL NO. 18-311

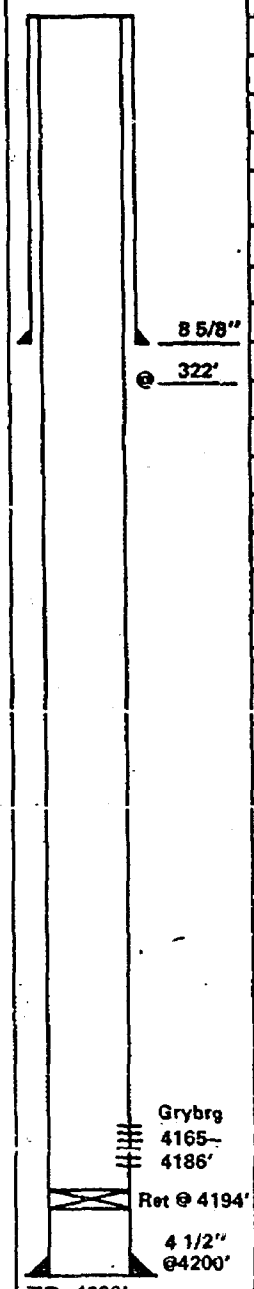
COMPLETION DATE 9/21/60 — GULF HARDIN NO. 7 — COMPLETION INTERNAL: 4165-4186' (G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 2310' FEL SECTION 18 B BLOCK ____

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

DATUM 3680' [DF] G.L. ELEV. ____ TD 4200' PBTD 4194' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	322	200	Circ.	12¼"
4 1/2"	9.5#	4200	373	3318	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1642	
Yates	2810	
7 Riv	3068	
Queen	3614	
Penrose	3766	
Gu	4116	-436
GL	4208	-528
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/60	G	4165, 4175, 4186	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
	4194'	Cmt. ret. sqz'd w/27 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/60	G	15,300 X 1-1.5#/gal.	frac		152BO
9/64	G	1,000 gal. 15%	AT	5BO 0BW	17BO 0BW
3/66	G	1,000 gal. 15% NEA	AT		
5/68	G	1,000 gal. 15% FE NEA	AT		
12/70	G	1,000 gal. 15% NEA	AT		

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLL

PROPOSED WELL NO. 18-341

COMPLETION DATE 8/1/71 — GULF HARDIN NO. 9 — COMPLETION INTERNAL: 3999-4040(G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 580' FSL & 2310' FEL SECTION 18 O BLOCK

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

DATUM 3672' [DF] G.L. ELEV. TD 4340' PBTD 4207' [ ]

*CALCULATED **ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	295	275	Circ.	11"
5 1/2"	14#	4339	285	2525	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1552	
Yates	2800	
Queen	3490	
Gu	3972	-300
GL	4061	-389
I	4068	-396
II	4151	-479
IIu	4231	-559
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

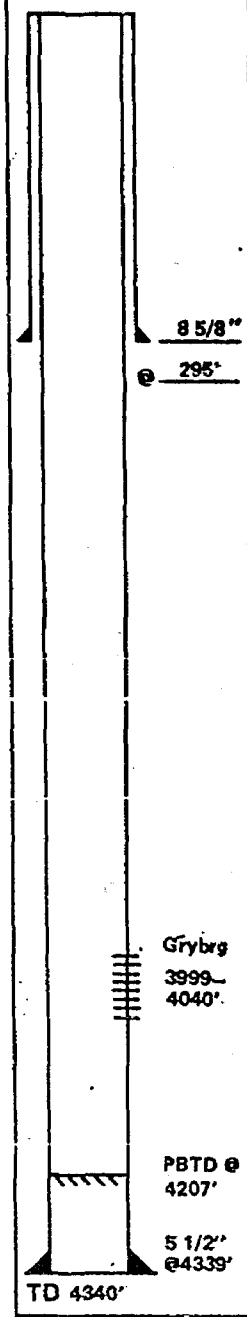
DATE	ZONE	DEPTHS	DENS & SIZE
8/71	G	3999-4001, 4018-20,	4 1/2" SPF
		4038-40	
6/75		*2493-94	4 1/2" SPF
6/75		*1415	4 1/2" SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/75	2493-94	Sqz'd w/500 SX cmt.
6/75	1410	Sqx'd w/350 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/71	G	1000 gal 15% NEA; 14	X 21 frac		30BO 9BW



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLI

PROPOSED WELL NO. 36-211

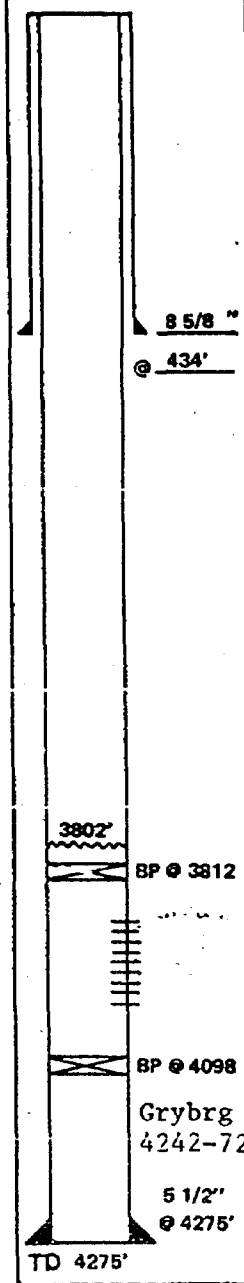
COMPLETION DATE 6-57 — GULF HOLT NCT-D NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1-75 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 36C BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3670' TD 4275' PBTD T.A. [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	434	325	Circ.	11"
5 1/2"	14#	4275	400	*2223	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1658	
Yates	2920	
Queen	3720	
Penrose	3870	
GU	4210	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/57	G	4242-72	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/70		CIBP @ 4098', capped w/1 sk.
		CIBP @ 3812' & capped w/1.5 sx cmt.
		to 3802

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	12,000 gal. AT; 10x10	frac (4242-72')		
2/63	G	1000 gal. 15% NE FE	AT	8BO,1BW	23BO,
					10BW
4/70	G	1000 gal. 15% NEA; sand			
		frac'd (3838-4034')			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KL

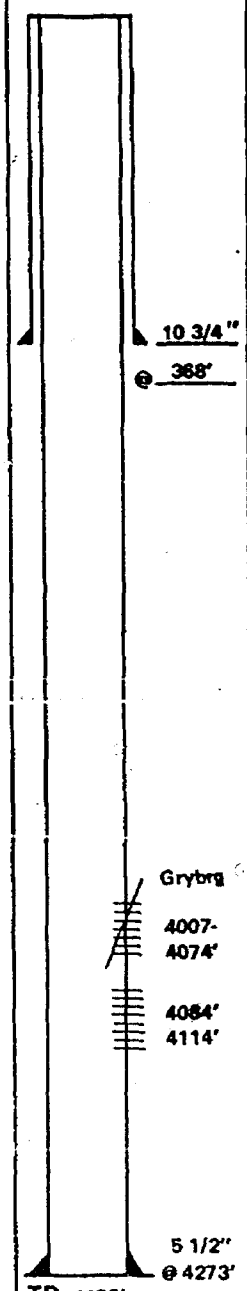
COMPLETION DATE 10-7-55 — PROPOSED WELL NO. 30-141 — COMPLETION INTERNAL: 4084-4114(G)

RECOMPLETION DATE ____ — MARATHON STATE 30 NO. 9 — HOBBS (G-SA) UNIT

LOCATION 990' FSL & 990' FWL — SECTION 30M — BLOCK ____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3663' [DF] G.L. ELEV. ____ TD 4273' PBTD 4227' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	368	200	Circ.	13 3/4"
5 1/2"	15.5 #	4273	3000	Circ.	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
B Salt	2606	
Yates	2690	
7 Riv	2928	
Queen	3480	
GU	3962	-299
GL	4107	-444
I	4123	-460
II	4187	-524
IIIU	4246	-583
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/55	G	*4007-12, 4016-30, 4040-	6 JPF
		52, 4062-74	
11/65	G	4084-4114	1 SPF
1/73	G	4084-90, 4099-4101, 4107-	
		14	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/65	4007-74	Sqz'd w/150 sx cmt.
12/72	4084-90	Sqz'd w/75 sx cmt. (to reduce GOR)

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/55	G	500 gal. AT; 10x10 frac			46BO
11/65	G	1000 gal. 15% AT;			
		20x35 frac.			
8/70	G	1000 gal. 15%	AT		47BO,5BW
1/73	G	2000 gal. 15%	AT		18BO,67B

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KL

COMPLETION DATE 2-18-50 — PROPOSED WELL NO. 31-141 — COMPLETION INTERNAL: 4097-4182(G)

RECOMPLETION DATE —

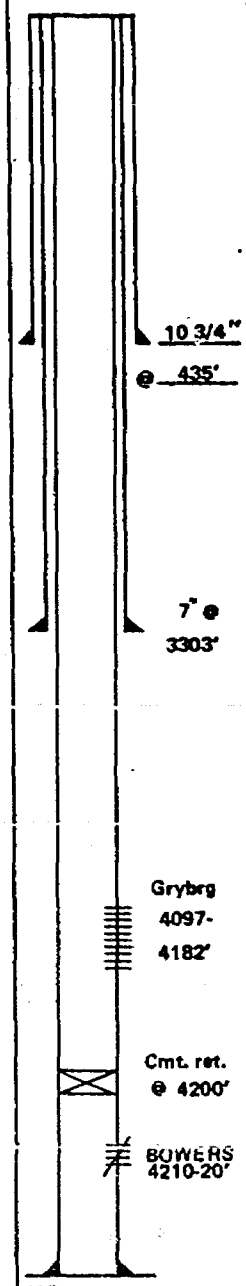
MOBIL BERRY NO. 4

HOBBS (G-SA) UNIT

LOCATION 990' FSL & 990' FWL SECTION 31M BLOCK —

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3650' [GL] G.L. ELEV. — TD 4317' PBTD 4200' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	435	200	Circ.*	13 3/4
7"	23#	3303	500	279*	8 3/4"
5"	15#	4317	100	3132*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1640	
T Salt	1710	
B Salt	2750	
Yates	2850	
Bowers	3346	
GU	4087	-437
GL	4201	-551
I	4226	-576
II	4302	-652
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/50	Bowers	*4210-20	8 Holes
1/65	G	4097-4182	2 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/65	4210-20	Sqz'd w/200 sx cmt; ret. @ 4200'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/50	Bowers	250 gal.	AT		12 O, 4W
1/65	G	500 gal. 15% NEA + 40			
		x 40 frac.		4BO,12BW	157BO,
					0BW
5/66	G	2000 gal. 28% NEA AT			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/78 KLL

PROPOSED WELL NO. 34-421

COMPLETION DATE 1-10-62 — MORAN HOBBS NO.1 — COMPLETION INTERNAL: 4236-4250(G)

RECOMPLETION DATE _____ — HOBBS(G-SA) UNIT

LOCATION 2485' FNL & 1184' FEL SECTION 34 H BLOCK _____

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

DATUM 3630' [GL] G.L. ELEV. _____ TD 4303' PBTD 4264' [ ]

*CALCULATED
**ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	372	250	Circ.	12 1/4
4 1/2"	11.6#	4303	500	2620	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1695	
Yates	2855	
Queen	3645	
Gu	4176	-546
GL	4257	-627
I	4269	-639
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

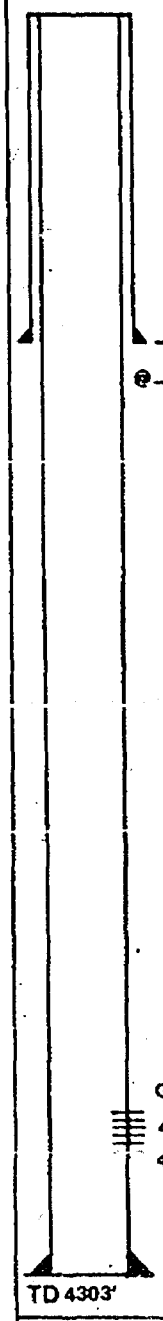
DATE	ZONE	DEPTHS	DENS & SIZE
1/62	G	4236-40, 4246-50	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/62	G	2000 g	AT		



OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/78 KLL

1

PROPOSED WELL NO. 25-121

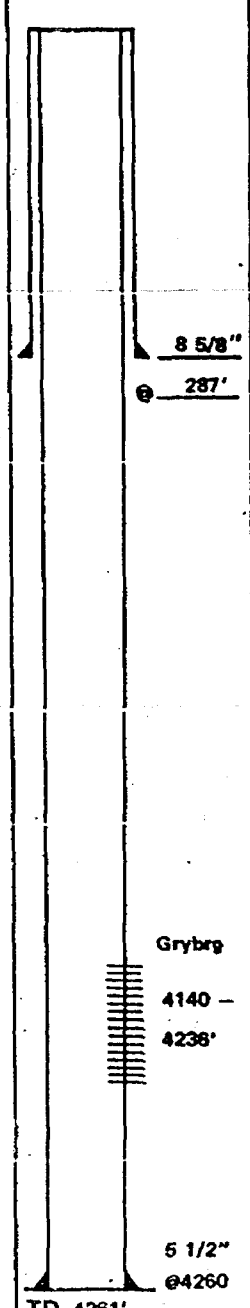
COMPLETION DATE 1-9-58 — SAMEDAN STATE B NO.2 — COMPLETION INTERNAL: 4140-4236(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990 FWL — SECTION 25E — BLOCK ____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3667' [DF] G.L. ELEV. ____ TD 4261' PBTD ____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	287	250	Circ	12 1/4"
5 1/2"	14#	4260	250	2930	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1633	
Salt	1735	
Yates	2840	
7 Riv	3345	
Queen	3634	
Gu	4139	-472
GL	4234	-567
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4231-36, 22-28, 08-14,	4 SPF
		4199-4204, 4186-94,	
		4166-72, 4155-61, 40-48	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
12/57	G	17.5X17.5 frac.	4 intervals-unable to		
			treat rest @8500 psi		
		ball sealers?	intervals unknown		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78KLL

PROPOSED WELL NO. 28-231

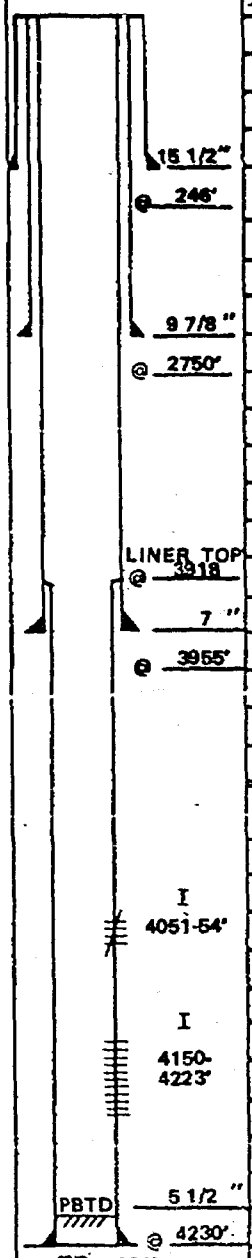
COMPLETION DATE 11-14-33 — SHELL GRIMES NO. 3 — COMPLETION INTERNAL: 4150-4223(IIIU)

RECOMPLETION DATE 1946 (Deepened) — HOBBS (G-SA) UNIT

LOCATION 1325' FSL & 1325' FWL — SECTION 28 K — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3651' [GL] G.L. ELEV. — TD 4231' — PBTD 4228' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	246	150	Circ.*	18"**
9 5/8"	36#	2750	150	2315	12 1/4"**
7"	24#	3955	250	2443*	8 3/4"**
5 1/2"	15.5#	3918'	100	3918*	6 1/4"**
Lnr.		4230			

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3902	-251
GL	3986	-335
I	3999	-348
II	4069	-418
IIIU	4130	-479
IIIL	4231	-580
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/46	III	4150-4223	4 1/2" JPF
12/73	I	*4051-4054	4 1/2" JPF
11/33		3955-4200 OH	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
9/76	4051-54	Sqz'd w/50 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/34		1000 gal. 50%	AT - OH		
2/34		1500 gal. 50%	AT - OH	892BO	2333BO
4/34		1000 gal. 50%	AT - OH		3150BO
2/46	III	500 gal. 15%	AT		
3/70	III	1500 gal. 15% NEA	AT	67BO,	77BO, 3BW
5/71	III	3000 gal. 15% NEA	AT - 3 Stages	54 BO, 7BW	119BO, 16 BW
6/72	III	1000 gal. Para-Clean	AT - 4 Stages	77BO 14BW	100BO, 13 BW
12/73	I	2000 gal. 15% NEA	AT - 5 Stages		
9/76	III	500 gal. 15%	AT	29BO, 275BW	31BO, 298 BW
5/78	III	1000 gal. 15% HCl w/NE	AT	25BO, 28BW	38BO, 76 BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 2120' of 7" csg. pulled & repaired by replacement w/new pipe & lead seals.

DATE: 7-21-78 KLL

PROPOSED WELL NO. 20-232

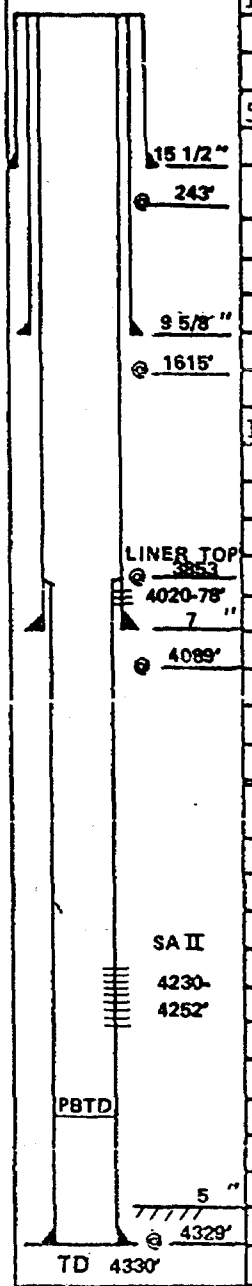
COMPLETION DATE 7/33 — SHELL MCKINLEY B NO. 4 — COMPLETION INTERNAL: 4230-4252(II)

RECOMPLETION DATE 2/73(Deep) — HOBBS (G-SA) UNIT

LOCATION 1325' FSL & 1325' FWL SECTION 20K BLOCK

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

DATUM 3656' (DF) G.L. ELEV. TD 4330' PBTD 4280' ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	243	150	Circ.*	18"**
9 5/8"	36#	1615	75	1397*	12¼"**
7"	24#	4089	250	2577*	8 3/4"**
5" lnr.	15#	3853/4329	55	3853*	6¼"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4067	-411
GL	4157	-501
I	4157	-501
II	4219	-563
III u	4288	-632
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/55	G	*4020-78	4 JPF
2/73	II	*4225, 4229, 4232, 35, 39	7 holes
		4245, 4252	
10/74	II	4230, 4232, 4235,39,47,50	7 holes
		4252	
10/74	II	4249-50, 4251-52	8 holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
10/74	4225-52	Sqz'd. w/250 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/51	G,I	500 gal. 15% LST	AT		
6/54	G,I	1500 gal. 15% LST	AT		
3/55	G	1500 gal. 15% LST, 13,200 gal Petrogel - AT			
2/73	II	1500 gal. 15% NEA	AT		
10/74	II	1200 gal. 15% NEA	AT	4480 40BW 172MCFG	
10/74	II	2000 gal. 15% NEA	AT		
10/74	II	3000 gal. 15% NEA	AT		2880 38BW 170MCFG

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/20/78 KLL

PROPOSED WELL NO. 13-431

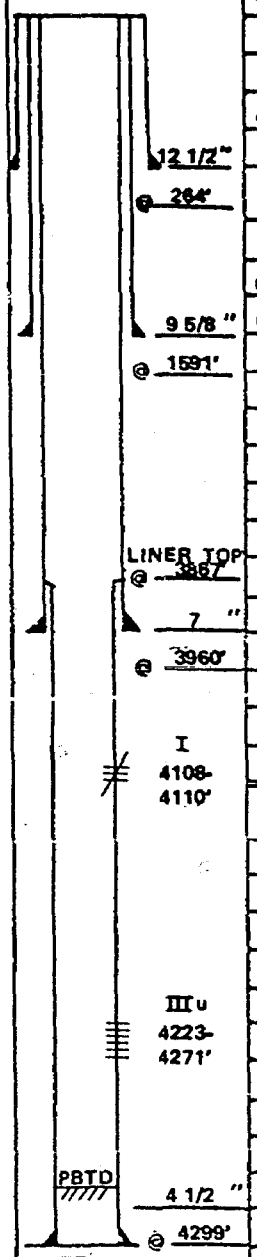
COMPLETION DATE 12/14/35 — SHELL RICE NO. 3 — COMPLETION INTERNAL: 4223-4271(III)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 990' FEL — SECTION 13 I — BLOCK ____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M

DATUM 3676' [DF] G.L. ELEV. ____ TD 4300' PBTD 4282' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	264	220	Circ.	16"
9 5/8"	36#	1591	630	Circ*	12"
7"	24#	3960	160	2992*	8 3/4"
4½" liner	11.6#	3867/4299	100	3867*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3932	-256
GL	4022	-346
I	4063	-387
II	4138	-462
IIIu	4216	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/74	I	*4108, 4109, 4110	3 holes
6/74	III	4223, 4230, 4239, 54, 60	6 holes
		4271	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/74	4108-10'	Sqz'd. w/275 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/58	I	15 X 15 frac			
11/59	G, I	1000 gal. 15% LST AT	OH (4004-88')	7BO 88W	22BO 22BW
5/61	G, I	2000 gal. 15% NEA	OH (4004-88')	11BO 88W	52BO 8BW
3/65	G, I	1500 gal. 15% NEA	OH (4004-88')		
7/66	G, I	2000 gal. 28% NEA	OH (4004-88')	6BO 10BW	6BO 10BW
10/71	G, I	3000 gal. 15% NM	OH (4004-88')	3BO 60BW	3BO 156BW
6/74	I	2000 gal. 15% NEA			
6/74	III	2000 gal. 15% NEA			22BO 519BW/D

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: For csg. leak info, see attached.

DATE: 9/12/78KLL

PROPOSED WELL NO. 27-111

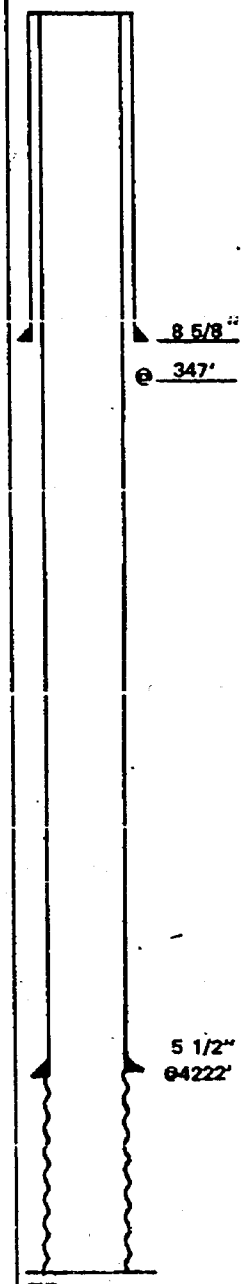
COMPLETION DATE 2-77 — SHELL SANGER NO.6 — COMPLETION INTERNAL: 4222-4260 (G), 4260-4360 (SA)

RECOMPLETION DATE 3-74 (Deep.) — HOBBS (G-SA) UNIT

LOCATION 1200' FNL & 470' FWL SECTION 27D BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3641' [GL] G.L. ELEV. TD 4360 PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	347	275	Circ.*	12¼"
5 1/2"	15.5 #	4222	450	1861*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2861	
Bowers	3365	
Queen	3585	
Penrose	3774	
GU	4159	-518
GL	4249	-608
I	4260	-619
II	4299	-658
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/70	I	4262-75 OH	
4/71	C,I	4222-75 OH	
3/74	G,I,II	4222-4360 OH	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/70	4275	600 g. 15% HCl, 2000 g			
		28% HCl	AT - 3 Stgs.		
2/70	4262-75	2000 g. 28% NEA	AT		
4/71	G,I	2000 g. 15% NE + 26.5			
		x 34.6 frac.		13BO, 7Bw	22BO,22Bw
3/74	G,I,II	2000 g. 15% NE-FEA	AT - 2 Stages	16BO,12Bw	16BO,10Bw
5/78		1000 g. 15% HCl w/NE	Dump AT	9BO,10Bw	9BO,8Bw

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

Rev. 12-8-78

DATE: 7-20-78 KL

PROPOSED WELL NO. 24-211

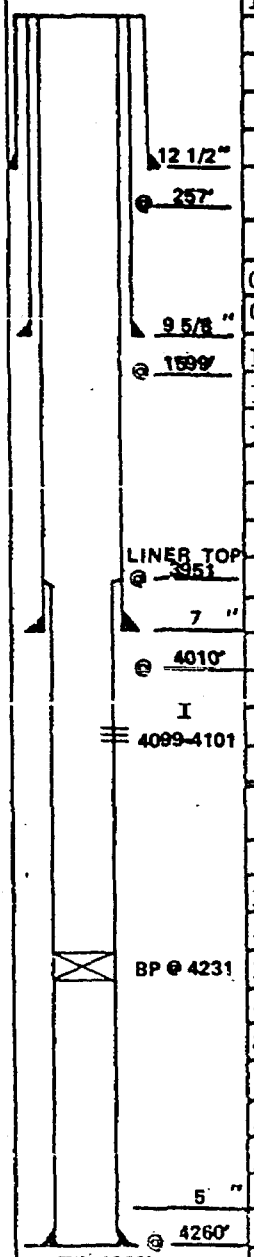
COMPLETION DATE 3-30-35 — SHELL STATE D NO. 2 — COMPLETION INTERNAL: 4099-4101(I)

RECOMPLETION DATE 5-10-41 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 1980' FWL SECTION 24C BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3675' [DF] G.L. ELEV. TD 4260' PBTD 4231' [BP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	257	150	Circ.	16"
9 5/8"	36#	1599	200	865*	11-3/4**
7"	24#	4010	250	2498*	8-3/4**
5" lnr.	15#	3952/4260	100	3952*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3945	-270
GL	4030	-355
I	4035	-360
II	4128	-453
IIIu	4210	-535
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/41	III	*4231-35	3 1/2" JPF
7/47	II	*4186-94	4 1/2" JPF
7/47	III	*4215-25	4 1/2" JPF
7/47	II	*4178-80	4 1/2" JPF
5/48	II	*4201-09	4 1/2" JPF
1/73	II	*4137, 4142, 4149, 4153	1 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/47	4231-35	
	4178-80	Sqz'd w/cmt.
2/73	4137-53	Sqz'd w/95SX cmt.
5/73	4137-53	Sqz'd w/33SX cmt.
5/73	4141-52	Sqz'd w/75 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/35	4010/4260	2000 gal. Dowell X	AT		
2/48	II	8000 gal. 15% LST	AT-2 stages		
3/48	II	5000 gal. 15%	AT		
5/48	II	500 gal. 15%, LST	AT		
8/50	II	1000 gal. 15% LST	AT		
3/60	II	500 gal. 15% NEA	AT	12BO	64BO 27BW
5/61	II	1500 gal. 15% NEA	AT	18BO	30BO 47BW
3/64	II	1500 gal. 15%NEAw/FE	AT	17BO 36BW	33BO 36BW
9/66	II	2000 gal. 28% NEA	AT	16BO 38BW	27BO 74BW
9/71	II	3000 gal. 15% NM	AT	11BO 32BW	20BO 53BW
10/62	II	1000 gal. 15% MCA	AT	14BO 16BW	31BO 46BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 9/12/78 KLL

COMPLETION DATE _____
RECOMPLETION DATE _____

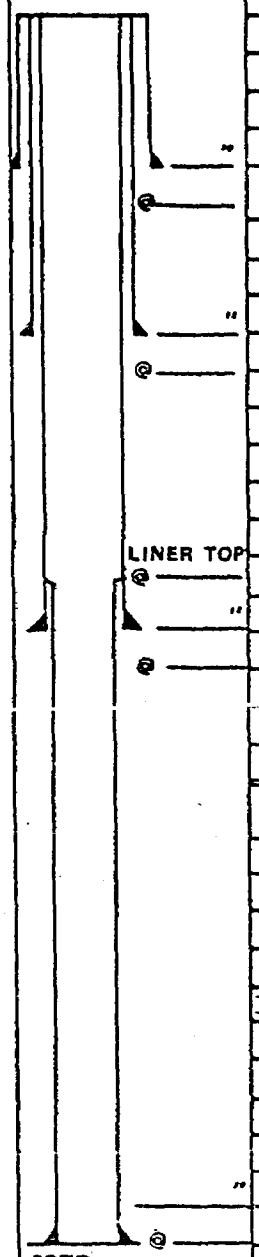
Shell State D No. 2
Hobbs (G-SA) Unit

COMPLETION INTERNAL: _____

LOCATION _____ SECTION _____ BLOCK _____

SURVEY _____ COUNTY _____

DATUM _____ ( ) G.L. ELEV. _____ TD _____ PBTD _____ ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE

LOGGING RECORD

DATE	CC.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		
PBTD		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4-73	II	*4137, 4141, 4142, 4149,	
		4151, 4153	1-1/2" JPF
5-73	II	*4141, 4142, 4149, 4150,	
		4152, 4153	1-1/2" JPF
2-74	I	4099, 4100, 4101	1-1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1-73	II	2500 gal. 15% NEA	AT		
2-74	I	2000 gal. 15% NEA	AT		
1-76	I	500 gal. 15% HCl-NEA	AT		
11-76	I	500 gal. 15% HCl-NEA	AT	54BO 162BW	56 BO 184BW

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PROPOSED WELL NO. 23-321

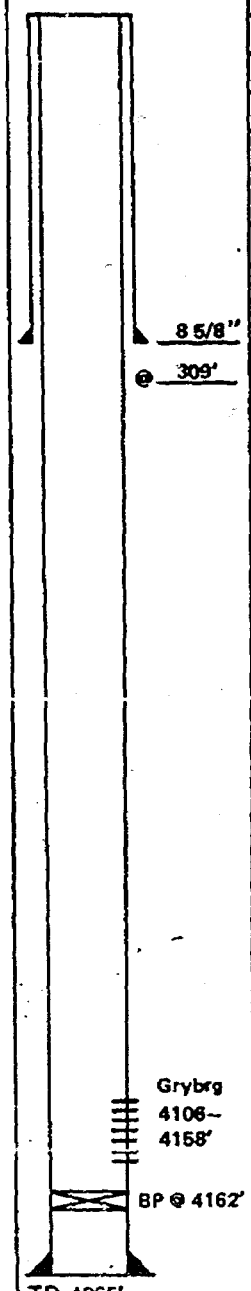
COMPLETION DATE 7/15/57 — SHELL STATE "F" NO.2 — COMPLETION INTERNAL: 4106-4158 (G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL SECTION 23G BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' [DF] G.L. ELEV. _____ TD 4265' PBTD 4162' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	309	300	Circ.	12 1/4"
5 1/2"	15.5#	4265	1355	Circ.	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu.	4068	-380
GL	4159	-471
I	4194	-506
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/57	G	*4106-20, 4134-60, 4184-90	4 1/2" JPF
7/57	G	4106-20, 4136-40, 4148-58	4 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/57	4106-90	Sqz'd w/375 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/57	G	6000g MCA + 15 X 15 FRAC			
1/62	G	1000g. 15% NEA			330, 61W
3/64	G	1000g. 15% NEA-FE		200, 39W	230, 49W
3/65	G	1500g. 15% NEA		160, 38W	220, 118W
10/71	G	3000g. 15% NM		40, 50W	140, 126W
11/74	G	500g. 15% NEA		20, 90W	80, 125W

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/78 KLL

PROPOSED WELL NO. 31-121

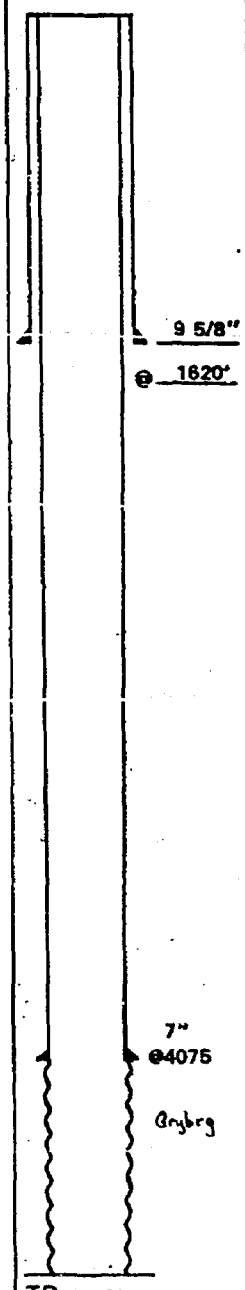
COMPLETION DATE 4-11-49 — SUN FOWLER NO. 4 — COMPLETION INTERNAL: 4075-4189(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1980' FNL & 990' FWL SECTION 31E BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3655' [DF] G.L. ELEV. _____ TD 4189' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	36 #	1620	800	Circ.	12 1/4"
7"	23 #	4075	400	2608	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4054	-399
GL	4180	-525
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/49	G	4075-4189	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: See attached for remedial work done on this well.

DATE: 8-21-78 KT

1

PROPOSED WELL NO. 20-331

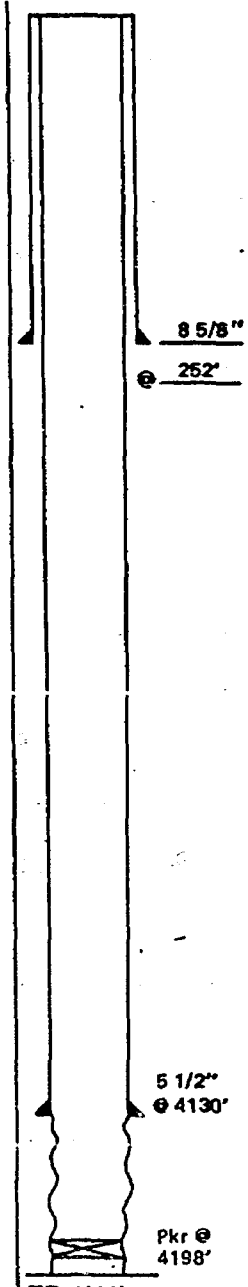
COMPLETION DATE 3-18-54 — B. SWEET BOWERS B NO.2-A — COMPLETION INTERNAL: 4198-4202(I)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2010' FEL SECTION 20J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3654' [GL] G.L. ELEV. _____ TD 4202' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	40#	252	150	Circ.	11"**
5 1/2"	15.5#	4130	600	982*	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	3013	
Yates	4194	
GU	4099	-445
GL	4189	-535
I	4192	-538
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/54	I	4198-4202	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/54		200 gal.	AT		66BO

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: All bradenheads closed w/bleeder lines brought to surf. w/valve attached.
Valves will be open permanently.

DATE: 8-21-78 KL

PROPOSED WELL NO. 20-421

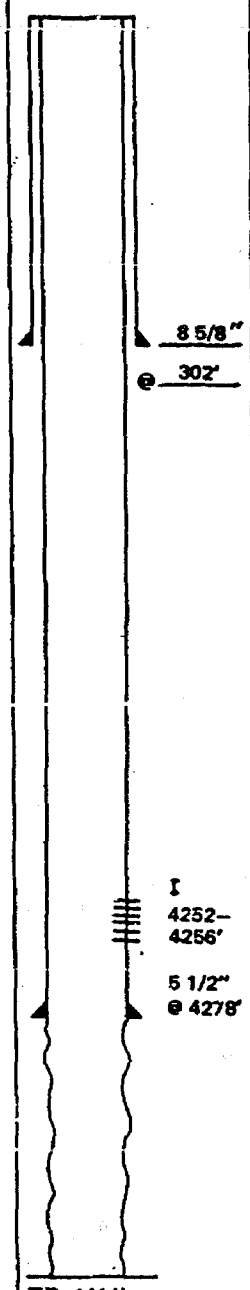
COMPLETION DATE 5/02/52 — C.H. SWEET McKINLEY B NO. 2 — COMPLETION INTERNAL: 4252-4256(I)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FEL SECTION 20 H BLOCK ____

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

DATUM 3654' (GL) G.L. ELEV. ____ TD 4414' PBTD ____ ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	302	150	Circ.	11"
5 1/2"	15.5#	4278	200	2952	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4128	-474
GL	4216	-562
I	4223	-569
II	4283	-629
IIIu	4343	-689
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/52	I	4252-56	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/52	I	500 gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Cored 4135-56, 4156-4213, 4216-38, 4243-57, 4257-78, 4278-93, 4293-4325

DATE 8/21/78KLL

PROPOSED WELL NO. 23-411

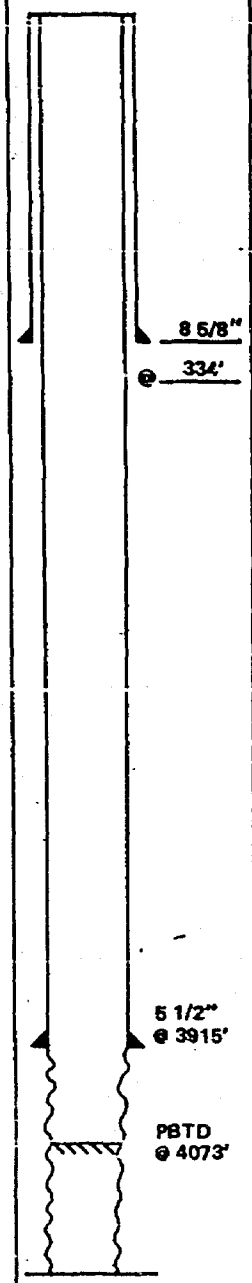
COMPLETION DATE 6/19/51 — C.H. SWEET STATE F NO. 1-A — COMPLETION INTERNAL: 3915-4073(G)

RECOMPLETION DATE 8-63 (TA) — HOBBS (G SA) UNIT

LOCATION 330' FNL & 330 FEL SECTION 23A BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3686' [DF] G.L. ELEV. TD 4115' PBTD 4073' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	23.7#	334	125	Circ	11"
5 1/2"	15.5#	3915	75	3406	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1600	
T. Salt	2450	
B. Salt	2750	
Gu	3975	-289
GL	4086	-400
I	4110	-424
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/51	G	3915-4073	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/51		1000 gal. AT (3950-4030)			
6/51		1000 gal. AT (4035-4095)			
6/51		1000 gal. AT (4095-4115)			90BO 0BW
5/53		5000 gal. AT (3950-4101)			55BO 9BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78 KLL

PROPOSED WELL NO. 23-431

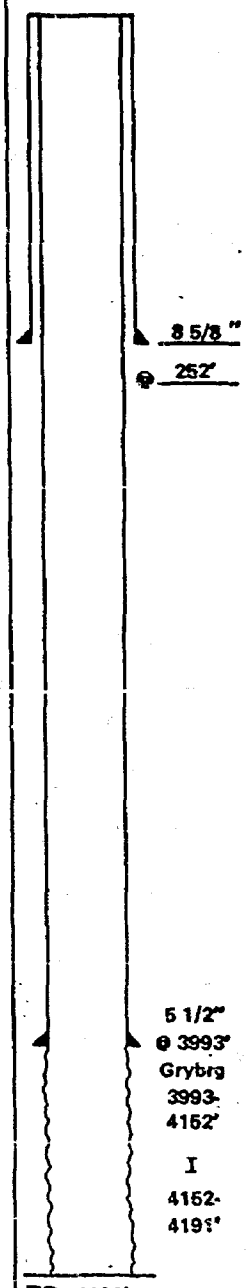
COMPLETION DATE 1-17/53 — C.H. SWEET STATE F NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 330'FEL SECTION 23I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3681' [DF] G.L. ELEV. _____ TD 4191' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24.7#	252	125	Circ.	12"
5 1/2"	15.5#	3993	300	1922*	7 3/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1610	
T. Salt	2460	
B. Salt	2760	
Gu	4049	-368
GL	4144	-463
I	4152	-471
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/53	G	3993-4152	OH
1/53	I	4152-4191	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/53	G,I	1000 gal.	AT		
		5000 gal.	AT		5780 .3%W

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78KLL

PROPOSED WELL NO. 14-431

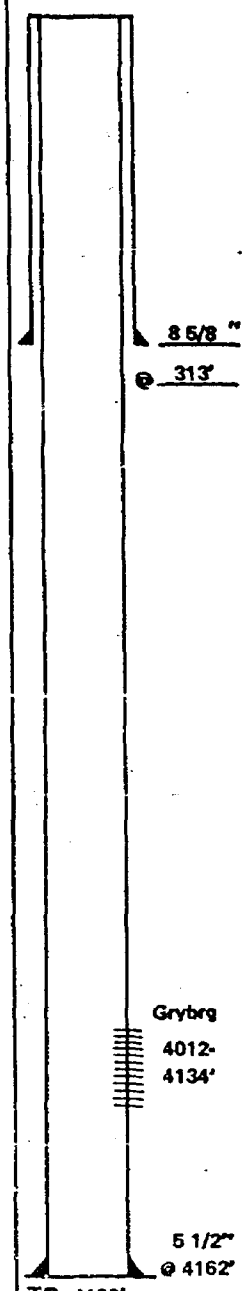
COMPLETION DATE 1/13/58 — TEXAS PAC STATE V NO. 1 — COMPLETION INTERNAL: 4012-4134(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 330' FEL SECTION 141 BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3690' [DF] G.L. ELEV. ____ TD 4162' PBTD 4159' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	314	300	Cir.	12 1/4"
5 1/2"	14#	4162	300	2558'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
7 Riv	3012	
Queen	3537	
Penrose	3674	
Gu	4016	-326
GL	4128	-438
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/58	G	4012-26, 56-78, 4092-4102	288 holes
		4108-18, 4124-34	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/58	G	1000 gal. AT; 30 X 30	frac		208BO 0BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Cored 4050-4100: rec. 50', oil show; 4100-32: rec. 32', oil show; ran logs.

DATE 8/21/78KLL

1

PROPOSED WELL NO. 23-211

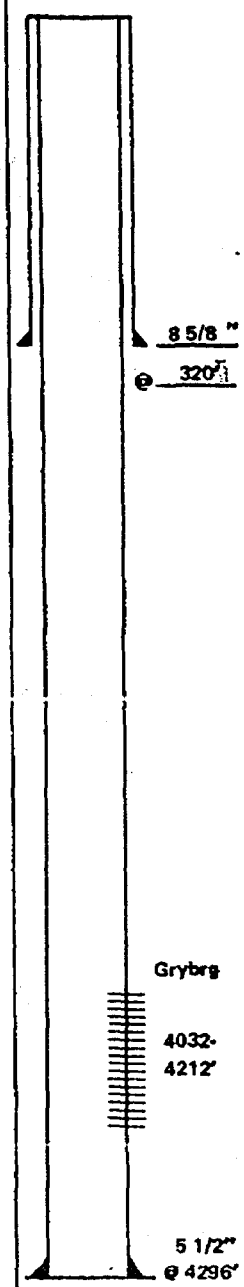
COMPLETION DATE 2-22-59 — TEXAS PAC STATE V NO. 3 — COMPLETION INTERNAL: 4032-4212(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 23C BLOCK _____

SURVEY T-18-3, R-37-E COUNTY Lea County, N.M.

DATUM 3689' [DF] G.L. ELEV. _____ TD 4296' PBTD 4286' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	320	325	Circ.	12 1/4"
5 1/2"	14#	4296	300	2905	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1632	
Yates	2817	
7 Riv	3090	
Bowers	3390	
Queen	3690	
Gu	4129	-440
GL	4262	-573
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/59	G	*4238-78	4 SPF
2/59	G	4088-4108, 4128-42, 48-70,	4 SPF
		4186-98, 4204-12	
3/64	G	4032, 4036, 4040, 4048,	1 SPF
		4064, 4069	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
2/59	4238-78	Sqz'd w/77 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/59	G	500 gal. AT. 15X15	frac		120BO 80 BW
2/59	G	25.5X25.5 frac (3stg. down tbg. & annulus)		240 BO 160BW	168 BO, 0BW
3/64	G	1000 gal. AT; 1000x250	frac	7BO, 28W	18BO 0BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE: 8/21/78 KLL

PROPOSED WELL NO. 23-231

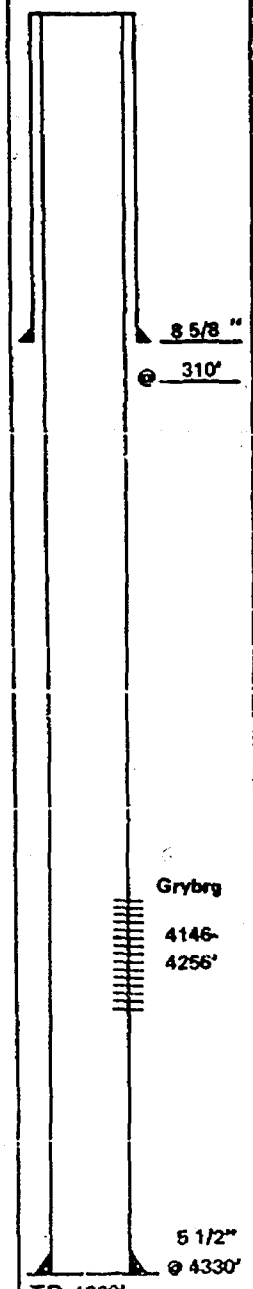
COMPLETION DATE 6/12/59 — TEXAS PAC STATE V NO. 5 — COMPLETION INTERNAL: 4146-4256(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 2310' FWL SECTION 23K BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3690' [DF] G.L. ELEV. _____ TD 4330' PBTD 4300' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	310	350	Circ.	12"
5 1/2"	15.5#	4330	300	2630	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2868	
7 Riv	3150	
Bowers	3434	
Queen	3680	
Penrose	3838	
Gu	4148	-458
GL	4241	-551
I	4276	-586
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/59	G	4146-60, 4164-70, 4174-80	4 SPF
		4188-92, 4196-4204, 4228-56	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/59	G	1000 gal. AT; 20X20	frac		1898O 35BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLL

PROPOSED WELL NO. 23-341

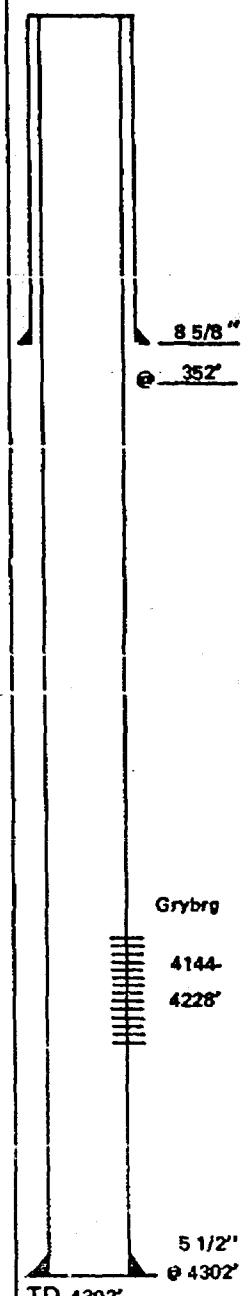
COMPLETION DATE 5-23-56 — YATES SHELL STATE NO. 3 — COMPLETION INTERNAL: 4144-4228(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FEL & 990' FSL SECTION 230 BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3683' [DF] G.L. ELEV. _____ TD 4302' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"		352	180	Circ.	12 1/2"
5 1/2"		4302	750	*367	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1655	
B Salt	2715	
Yates	2860	
7 Riv	3130	
Queen	3675	
GU	4142	-459
GL	4234	-551
I	4252	-569
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/56	G	4144-52, 4180-96, 4222-28	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/56	G	15 x 15	frac		62BO

OPT

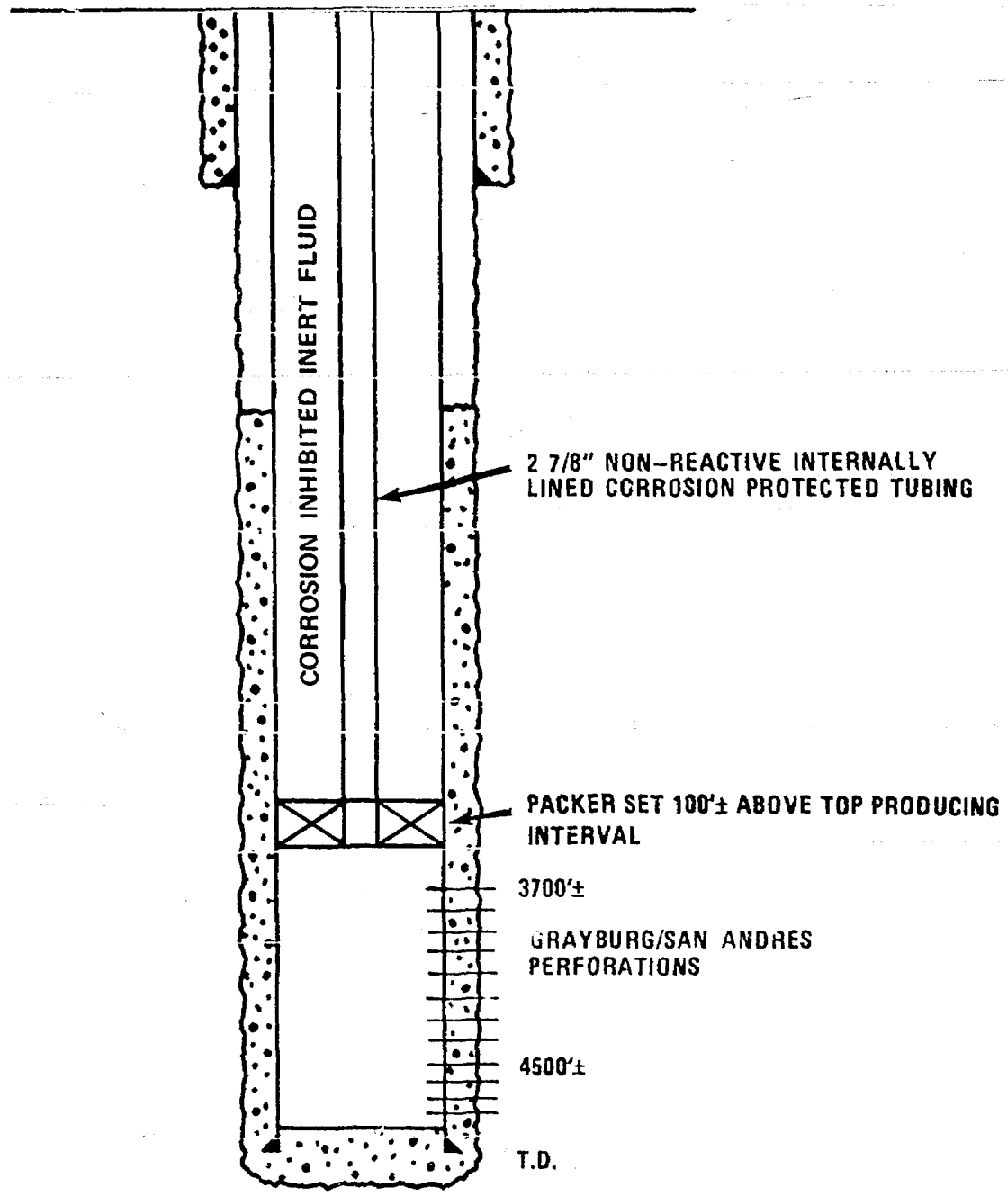
DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: DST #1 5/12/56 (4253-70') - Open 2 hrs., closed in 20 min. No gas to surf. Rec. was 60' of gas cut drlg. mud & 30' grey colored drlg mud. DST #2 5/12/56 (4280-90') Open 2 hrs., closed in 20 min. Gas to surf. in 5 min. No fluid to surf. Rec. 330' of oil & gas cut mud & 200' of salty water.

DATE 8-21-78 KLJ

2Z00969-03

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT

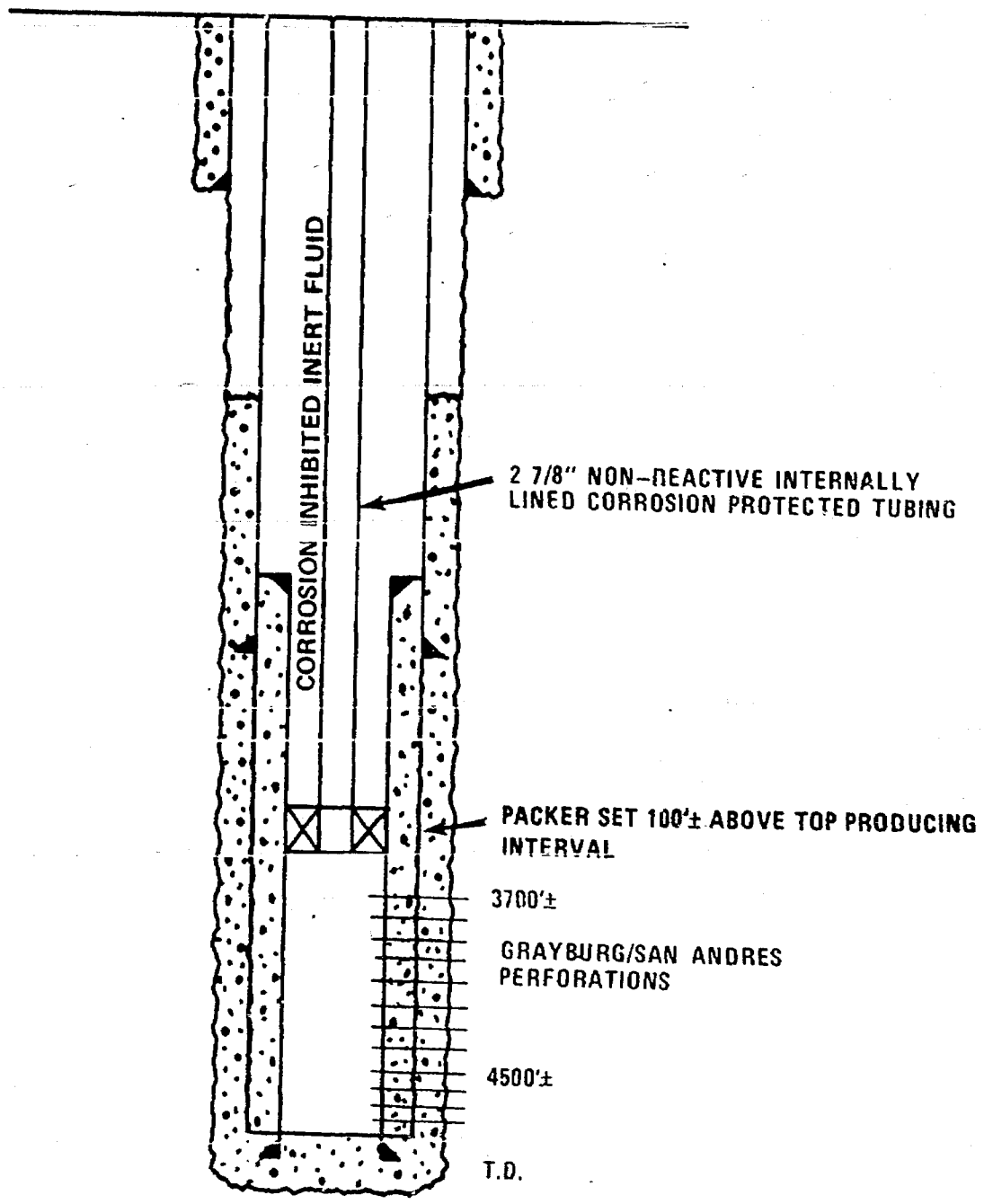


SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
TWO CASING STRINGS

PRESSURE MAINTENANCE PROJECT
EXHIBIT "6"

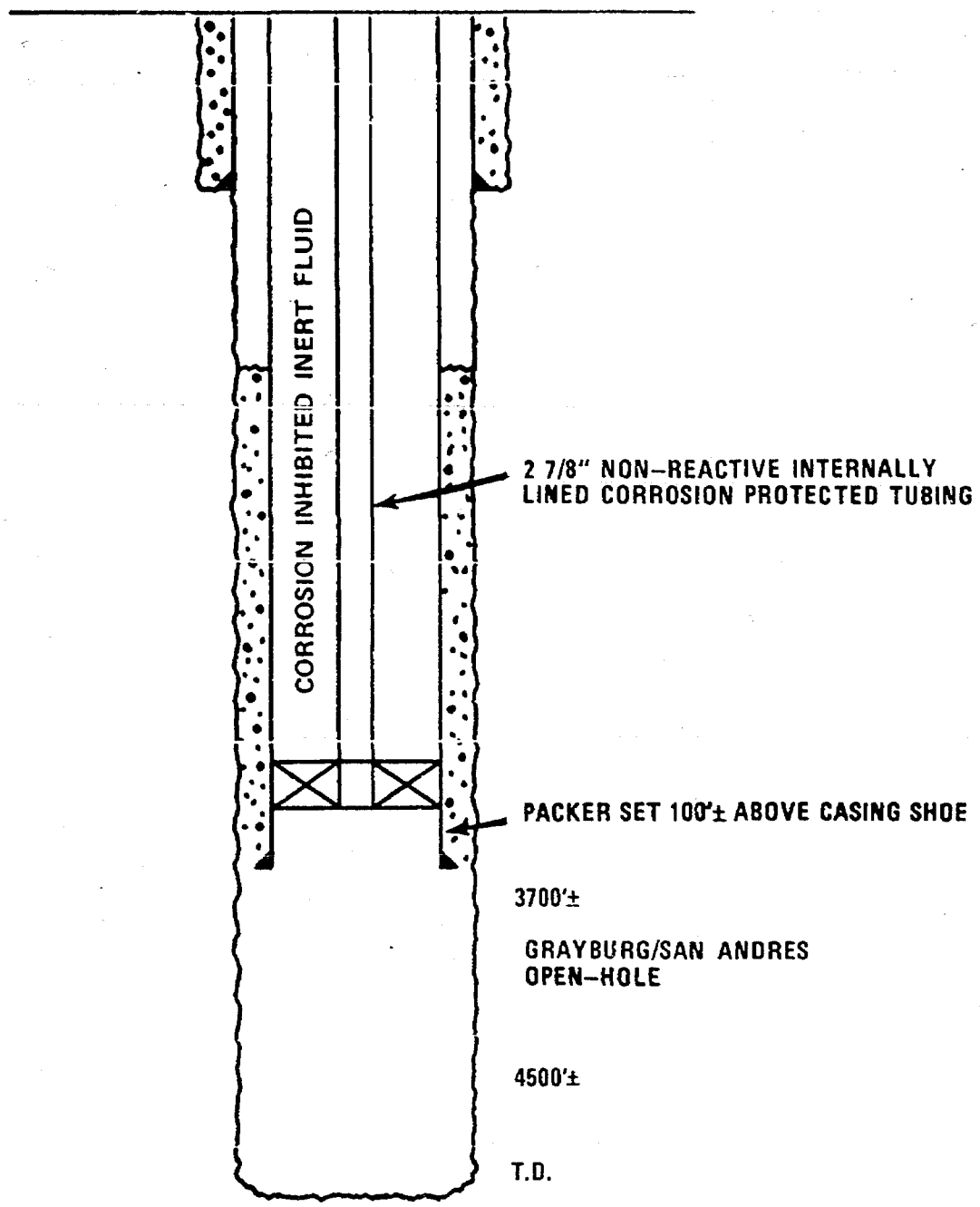
2Z00969-02

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
W/LINER

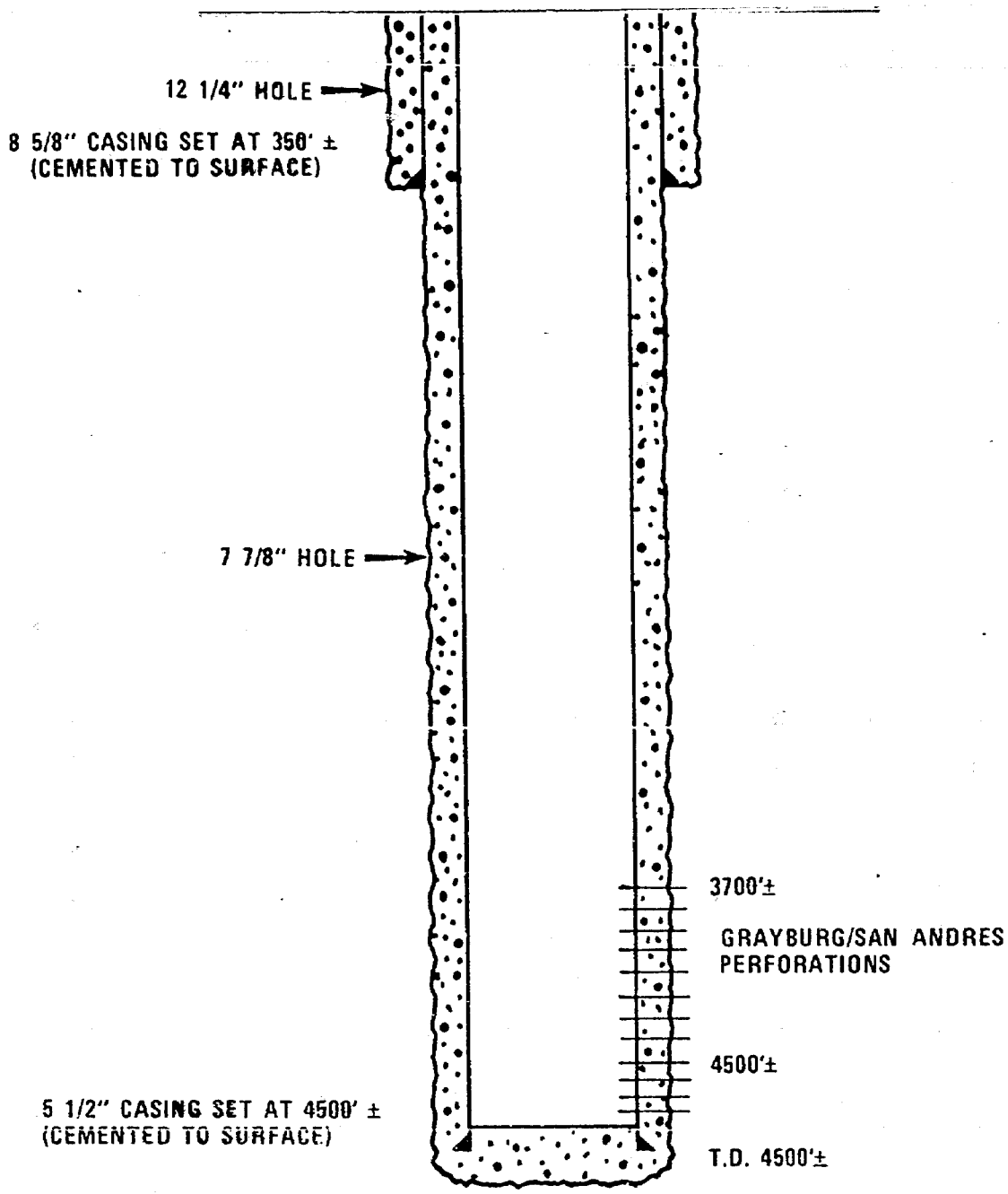
NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
OPEN-HOLE COMPLETION

2Z00969-04

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT

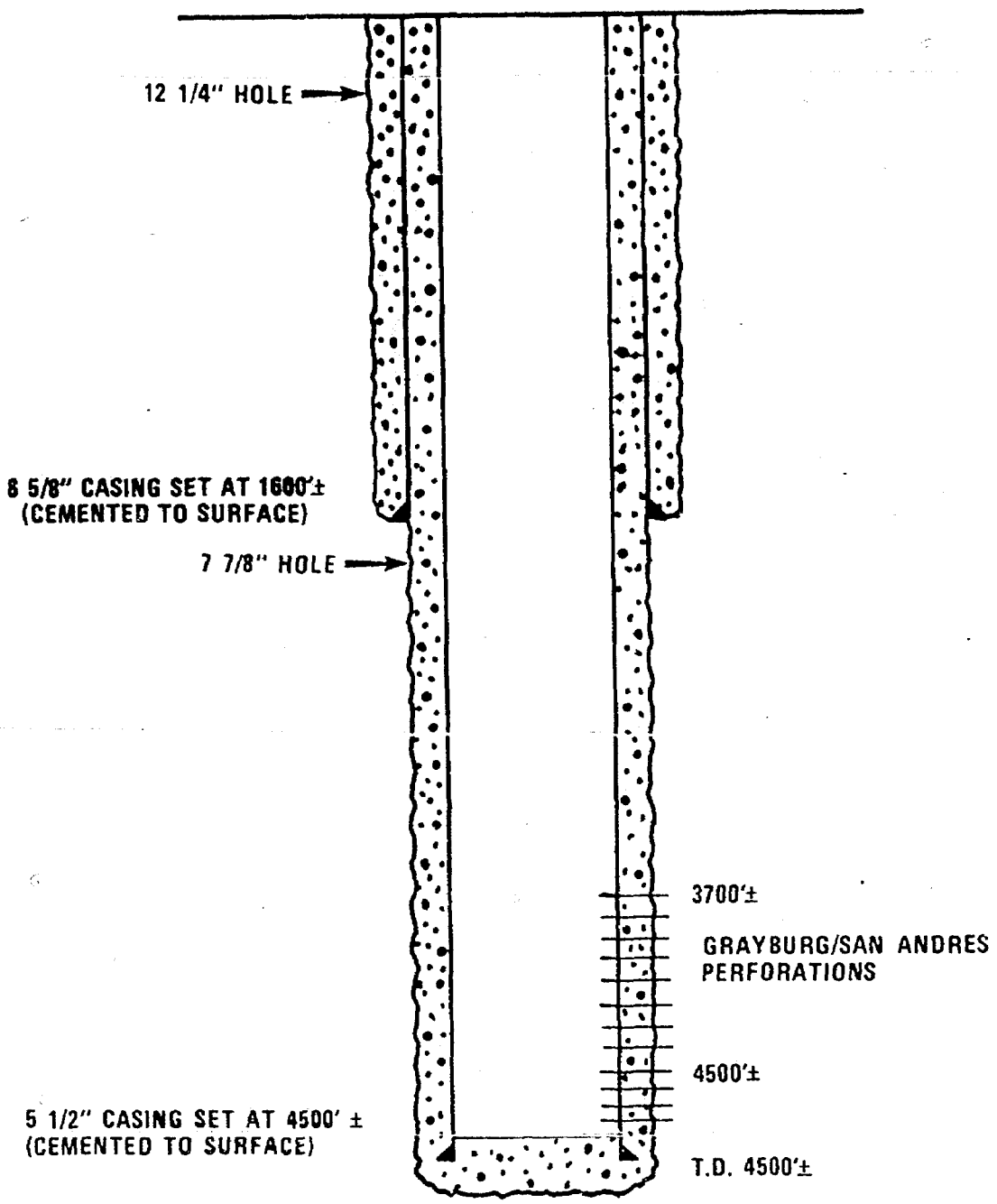


SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED PRODUCING WELL
SURFACE CASING TO 350'±

PRESSURE MAINTENANCE PROJECT
EXHIBIT "8"

2200969-06

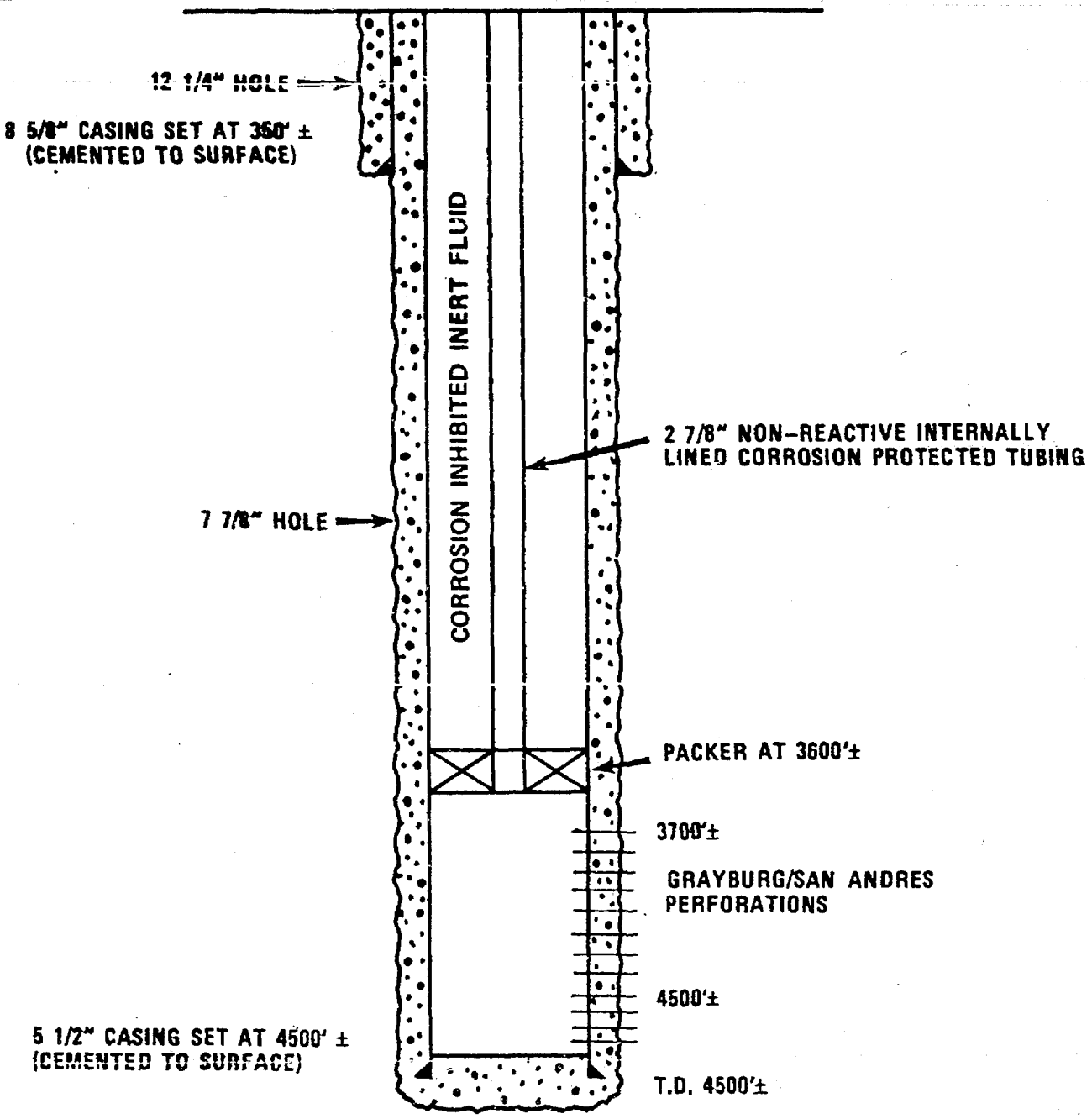
NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED PRODUCING WELL
SURFACE CASING TO 1600'±

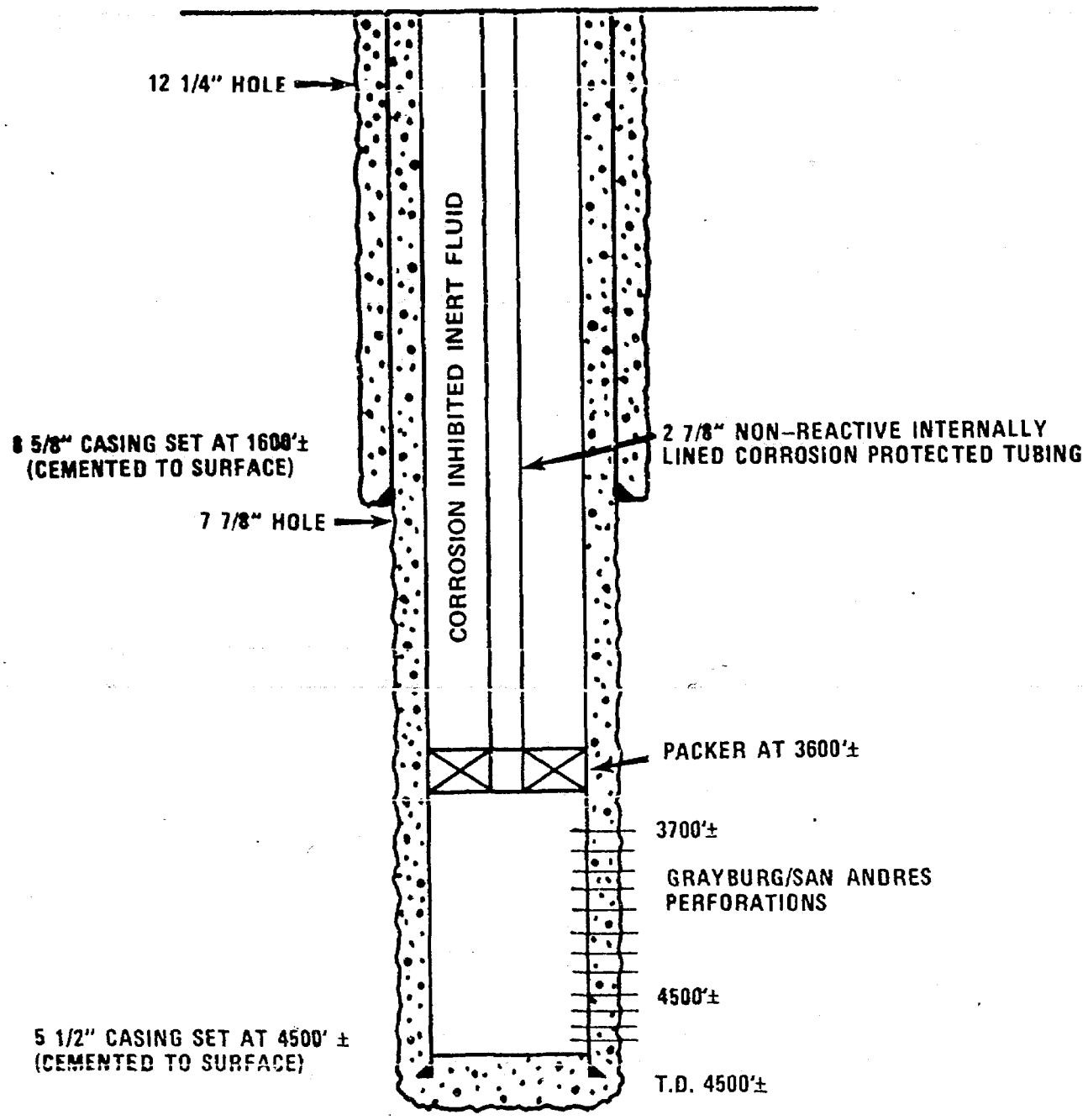
2Z00969-01

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED INJECTION WELL
SURFACE CASING TO 350'±

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED INJECTION WELL
SURFACE CASING TO 1600'±

UNAVAILABLE LOGS FOR PROPOSED INJECTION WELLS

OPERATOR	LEASE NAME & WELL NO.
Antwiel	Hobbs CT No. 1
Cities Service	Fowler No. 2
Continental	Grimes No. 4
Exxon	New Mexico State No. 1
Getty	Hardin No. 4
Bill Sweet	Bowers "B" No. 2-A

PRESSURE MAINTENANCE PROJECT
EXHIBIT "9"

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion Date
32B	Amerada Hess - "A" State #4 660' FNL & 2130' FEL	3654' GL	6000	5990	11 3/4" 8 5/8" 5 1/2" Lnr.	31# 24# 15.5#	360 3810 3695/5998	300 SK 590 SK 325 SK	Circ.* 1700* 3695	15" 11" 7 7/8"	5912-5966 (Blinebry)	04-69	
32A	Amerada Hess - "A" State #5 660' FNL & 660' FEL	3660' DF	8044	6934	11 3/4" 8 5/8" 5 1/2" & 7" Lnr.	31# 32# #3, 15.5#	361 3798 3701/6998	330 SK 390 SK 351 SK	Circ.* 2404* 3701*	15" 11" 7 7/8"	5905-5997 (Blinebry) 6674-6936 (Drinkard)	07-69	
29F	Amerada Hess - "B" Hobbs St. #1 2310 FNL & 1650 FWL	3655' DF	7075	7061	9 5/8" 7" 4 1/2"	36# 23# 9.5#	358 3850 7075	200 SK 350 SK 425 SK	Circ.* 2104* 5225*	12 1/4"** 8 1/2"** 6 1/4"**	6705-7030 (Drinkard)	01-71	
29G	Amerada Hess - "B" Hobbs St. #2 2310' FNL & 1650' FEL	3654' DF	7050	7032	12 3/4" 8 5/8" 5 1/2"	50# 24# 15.5#	356 3795 7050	400 SK 300 SK 475 SK	Circ.* 2723* 4614*	15"** 11"** 7 7/8"**	6680-6992 (Drinkard)	10-70	
33E	Amoco - "G" State #5 1980' FNL & 660' FWL	3657' KB	7040		13 3/8" 9 5/8" 7"	48# 36# 26#	423 3958 7040	400 SK 550 SK 700 SK	Circ.* 2340* 2820*	17 1/2" 12 1/4" 8 5/8"	5856-5961 (Blinebry) 6829-6933 (Drinkard)	10-69	09-71
33F	Amoco - "G" State #6 1980' FNL & 1650 FWL	3660' DF	6009'	5972'	11 3/4" 8 5/8" 5 1/2"	42# 32# 14#	420 3752 6009	540 SX 310 SX 600 SX	Circ. 2430* 3510*	17 1/2" 11" 7 7/8"	5930-5962 (Blinebry)		
29O	Chevron - "A" State #5 330' FSL & 2218' FEL	3653' DF	7025		11 3/4" 8 5/8" 5 1/2" Lnr.	42# 32# 20#	364 3808 3578/7022	320 SX 300 SX 530 SX	Circ. 2736* 4302*	15" 11" 7 7/8"	5918-5968 (Blinebry) 6648-6730 (Drinkard)	07-69	
29F	Chevron - "A" State #6 330' FSL & 660' FEL	3656' GL	7015	6511	13 3/8" 9 5/8" 5 1/2" Lnr.	48# 36# 17#	378 3000 2549/7012	400 SX 600 SX 700 SX	Circ.* 1236* 3420*	17 1/2" 12 1/4" 8 3/4"	5882-5939 (Blinebry)	10-69	
29H	Continental - "A-29" State #7 660' FSL & 1850' FWL	3653' DF	6050		11 3/4" 8 5/8" 5 1/2"	42# 24# 15.5#	360 3800 6050	250 SX 240 SX 405 SX	Circ.* 2942* 3972*	15" 11" 7 7/8"	5823-5941 (Blinebry)	02-69	
29K	Continental - "A-29" State #8 2150' FSL & 1800' FWL	3655' DF	5960		11 3/4" 8 5/8" 5 1/2"	42# 32# 17#	360 3800 5960	250 SX 240 SX 405 SX	Circ.* 2942* 3882	15" 11" 7 7/8"	5796-5924 (Blinebry)	04-69	
33L	Continental - "A-33" State #12 2275' FSL & 625' FWL	3649' DF	7018		13 3/8" 9 5/8" 7"	48# 36# 23#	422 3750 7018	375 SX 325 SX 525 SX	Circ.* 2194* 3854*	17 1/2" 12 1/4" 8 3/4"	6668-6943 (Drinkard)	09-69	
30I	Exxon - "A" Bowers #1 1980' FSL & 660' FEL	3657' DF	6000		12 1/2" 9 5/8" 7" 4 1/2"	- - - -	205 2750 3962 6000	180 SX 620 SX 528 SX 275 SX	Circ.* 928* 778* 3606*	17" 11 1/2" 8 3/4" 6 1/4"	5812-5922 (Blinebry)	11-41	04-69 04-71
30P	Exxon - "A" Bowers #30 330' FSL & 660' FEL	3652' DF	6000		11 3/4" 8 5/8" 4 1/2"	31# 24# 9.5#	362 3850 6000	300 SX 500 SX 550 SX	Circ.* 2062* 1210*	15"** 11"** 6 1/4"**	5849-5946 (Blinebry)	06-69	
29M	Exxon - USA Bowers #28 660' FSL & 990' FWL	3650' DF	6000	5958	11 3/4" 8 5/8" 5 1/2"	42# 32# 15.5#	373 3849 5989	300 SX 500 SX 450 SX	Circ.* 2061* 3681*	15" 11" 7 7/8"	5856-5928 (Blinebry)	04-69	
29L	Exxon - USA Bowers #29 2150' FSL & 990' FWL	3654' DF	6000		11 3/4" 8 5/8" 4 1/2"	42# 32# 9.5#	369 3850 6000	300 SX 500 SX 450 SX	Circ.* 2062* 2082*	15" ** 11"** 6 1/4"**	5831-5889 (Blinebry)	06-69	
29E	Exxon - USA Bowers #31 1980' FNL & 660' FWL	3656' DF	7050		11 3/4" 8 5/8" 5 1/2"	42# 32# 17#	372' 3836' 7038'	300 SX 500 SX 650 SX	Circ. 2300'(TS) 3630*	15" 11" 7 7/8"	6896-6958 (Drinkard)	07-69	
29I	Getty-Grimes #6 1879' FSL & 557' FEL	3659' DF	7050	7018	13 3/8" 9 5/8" 7"	48# 36# 23#	373 3847 7049	400 SX 2100 SX 800 SX	Circ. Circ. 2200(TS)	17 1/2" 12 1/4" 8 3/4"	5940-6858 (Blinebry)	02/01/70	
30H	Getty - McKinley #8 2310' FNL & 430' FEL	3659' DF	6059	6057	13 3/8" 8 5/8" 5 1/2"	48# 32# 17#	383 3862 6057	400 SX 1400 SX 350 SX	Circ. Circ.* 2000 (TS)	17 1/2" 11" 7 7/8"	5757-5901 (Blinebry)	06-69	
30G	Getty - McKinley #9 2235' FNL & 2310' FEL	3660' DF	7000	6970	13 3/8" 9 5/8" 7"	48# 36# 26#	378 3851 7000	400 SX 1748 SX 650 SX	Circ.* Circ.* 3082*	17 1/2" 12 1/4" 8 3/4"	5823-5908 (Blinebry) 6927-6965 (Drinkard)	10-69	
30B	Getty - McKinley #10 405' FNL & 2272' FEL	3663' DF	6050	6045	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	381 3849 6047	400 SX 1250 SX 570 SX	Circ. 600 (TS) 1500 (TS)	17 1/2" 11" 7 7/8"	5851-5951 (Blinebry)	11-69	
33H	Gulf - "A" Grimes #8 2115' FNL & 600' FEL	3645' GL	7100	6935	13 3/8" 9 5/8" 7"	48# 40# 23#	398 3960 7100	450 SX 1600 SX 470 SX	Circ. Circ. 2510 (TS)	17 1/2" 12 1/4" 8 3/4"	6654-6850 (Drinkard)	02-75	

PRESSURE MAINTENANCE PROJECT
EXHIBIT "10"

THE HOBBS NORTH UNIT PRODUCING HORIZON

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion Date
33B	Gulf - "B" State #7 430' FNL & 2160' FEL	3645' GL	7100	6643	13 3/8" 9 5/8" 7"	48# 36# 23#	368 3859 7099	400 SX 2000 SX 485 SX	Circ. Circ. 3635 (TS)	17 1/2"** 12 1/4"** 8 3/4"**	5848-5988 (Blinebry)	03-70	
32D	Gulf - "NCT-A" Grimes #16 800' FNL & 700' FWL	3636' GL	7050	7002	9 5/8" 7"	36# 23#	2497 7039	575 SX 2925 SX	Circ. Circ.	12 1/4"** 8 3/4"	5389-5391 (Glorieta) 5871-6083 (Blinebry)	08-68	
32C	Gulf - "NCT-A" Grimes #17 660' FNL & 1980' FWL	3645' GL	6150	5970	13 3/8" 9 5/8" 7"	48# 36# 23#	366 3399 6149	370 SX 1450 SX 545 SX	Circ. Circ.* 2510 (TS)	17 1/2" 12 1/4" 8 3/4"	5780-5949 (Blinebry)	11-68	
32F	Gulf - "NCT-A" Grimes #18 1650' FNL & 2080' FWL	3642' GL	6020	6000	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	351 3799 6019	335 SX 300 SX 305 SX	Circ.* 2727* 2470 (TS)	17 1/2" 11" 7 7/8"	5772-5928 (Blinebry)	02-69	
32J	Marathon - State #9 2130' FSL & 1980' FEL	3642' GL	1000	6260	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	376 3799 3573/6998	360 SX 1140 SX 490 SX	Circ. 430 (TS) 4044*	17 1/2" 12 1/4" 8 3/4"**	5854-5968 (Blinebry)	01-70	
32G	Shell - "A" State #6 1930' FNL & 2310' FEL	3635' GL	6010	5952	13 3/8" 8 5/8" 5 1/2" Lnr.	48# 32# 15.5#	357 3820 3566/6020	350 SX 800 SX 500 SX	Circ. 2060* 3454*	17 1/2" 12 1/4" 7 7/8"**	5805-5929 (Blinebry)	04-69	
32H	Shell - "A" State #7 1930' FNL & 660' FEL	3646' DF	7020	6981	13 3/8" 8 5/8" 5 1/2" Lnr.	48# 24, 32# 15.5#	350 3790 3580/7015	350 SX 1300 SX 650 SX	Circ. 898* 3560	17 1/2" 12 1/4" 7 7/8"**	5829-5866 (Blinebry) 6659-6932 (Drinkard)	07-69	08-59
33D	Shell - "B" State #5 660' FNL & 660' FWL	3657' DF	7000	5497	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	360 3799 3597/7000	350 SX 1850 SX 688 SX	Circ. Circ.* 3597*	17 1/2"** 12 1/4"** 8 3/4"**	5854-5975 (Blinebry) 5389-5442 (Paddock)	08-69	10-74
33C	Shell - "B" State #6 660' FNL & 1980' FWL	3654' DF	7100	7062	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	350 3815 3609/7100	300 SX 1400 SX 805 SX	Circ.* Circ.* 3609*	17 1/2" 12 1/4" 8 3/4"	5948-5956 (Blinebry) 6639-6931 (Drinkard)	12-69	
28H	Shell - Grimes #9 731' FSL & 731' FWL	3653' DF	7102	7065	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	372 3797 3513/7102	350 SX 1400 SX 720 SX	Circ.* Circ.* 3513*	17 1/2"** 12 1/4"** 8 3/4"**	5892-5979 (Blinebry) 6629-6956 (Drinkard)	10-69	
28N	Shell - Grimes #11 750' FSL & 1790' FWL	3655' DF	6350	6000	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	368 3805 3602/6350	250 SX 1400 SX 497 SX	Circ. Circ.* 3602	17 1/2" 12 1/4" 8 3/4"	5890-5967 (Blinebry)	10-69	
25P	Rice Hobbs SWD #P-25	3661' KB	4753		12 1/2" 9 5/8" 7" 5"	50# 36# 26# 15#	209' 600/2736* 2400/4110 4753	250 SX 650 SX 350 SX 1200 SX	Circ. 340	15"** 12"** 8 3/4"** 6 1/2"**	4446-4735	12-58	03-77
29P	Rice Hobbs SWD #P-29 1880' FNL & 1742' FWL	3653.8' KB	5052		9 5/8" 7"	32.3# 20#	450' 4706'	300 SX 600 SX	Circ. 1900' (TS)	12 1/4" 8 3/4"	4706-5052' (6 1/4" OH)	08-60	

PENETRATE THE INJECTION ZONE

Sec. Unit	Operator/Lease Name/Well No. Location	Elevs.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Date of Abandonment
32B	Amerada - Hobbs State #5 2280' FNL & 1980' FWL	3655' GL	5986	P&A	9 5/8" 7" 4 1/2"	36# 23# 11.6#	364 3816 5986	200 SX 140 SX 186 SX	Circ.* 2975* 4340*	12 1/4" 8 3/4" 6 1/4"	5813-5879' (Blinebry)	01-71	05-11-73
36I	Amerada - State "B" #1 2310' FSL & 330' FEL	3654' GL	4275	P&A	7" 4 1/2"	23# 10.5, 11.6#	3555 4275	400 SX 300 SX	Circ. 2750 (TS)	8 3/4" 6 1/4"	4134-4244 (G/SA)	12-68 12-68	10-27-70
28F	Arco - Grimes #2 1650' FWL & 2350' FNL	3634' GL	4243	P&A	15 1/2" 10" 6 5/8"	70# 45# 24#	233 2702 3974	200 SX 200 SX 250 SX	Circ.* 1965* 3270*	18"** 13"** 8 1/2"**	3974-4243 (G/SA)	12-32 12-32	04-18-59
29F	Chevron - State "A" #1 992' FSL & 988' FEL	3651' GL	4090	3260 3260	13 3/8" 9" 6 5/8"	48# 45# 24#	217 2735 3907	200 SX 500 SX 357 SX	Circ.* 1405* 1813*	16" 11" 8 1/2"**	3907-4090 (G/SA)	08-30	10-14-46
29O	Chevron - State "A" #2 990' FSL & 1650' FEL	3651' GL	4111	3060	13 3/8" 9 5/8" 7"	50# 36# 23#	242 2822 3951	150 SX 725 SX 300 SX	70* 469* 2137*	18" 12" 8 3/4"	3155-3275 (G/SA) 3951-4130 (G/SA)	09-30	1946
13K	Continental - State "B-13" 3 3300' FNL & 3300' FEL	3684' DF	4265	D&A	13" 9 5/8" 7"	50# 36# 24#	274 1627 3951	200 SX 400 SX 400 SX	Circ.* 638* 1149*	16"** 12 1/4"** 8 1/2"**	3290-3309 (Bowers) 3951-4265 (G/SA)	06-36	06-03-36
13O	Continental - State "B" - 13 #7 660' FNL & 660' FWL	3686' DF			Not drld; cancelled 11-13-57								
13D	Continental - North Hobbs Unit #1 660' FNL & 660' FWL	3686' DF	8877	D&A	13 3/8' 9 5/8"	48# 36, 40#	330 5134	375 SX 840 SX	Circ.* 2700*	17 1/2" 12 1/4"	5134-8877 (D&A)	05-60	05-26-60
14P	Estes Engr. - Stanolind St. #1-A 330' FSL & 330' FEL	3677' DF	4135	P&A	10 3/4" 7"	40.5# 20#	265 3911	200 SX 150 SX	Circ.* 3539*	15" 10 3/4"	3911-4135 (G/SA)	12-52	01-06-65
29B	Exxon - Bowers "B" Fed. #1 330' FNL & 330' FWL	3656' DF	4186	P&A	15 1/2" 9 5/8" 7"	70# 36# 26#	235 2716 3987	225 SX 650 SX 300 SX	Circ.* 830* 1840*	18"** 12 1/4"** 8 1/2"**	3987-4186 (G/SA)	11-32	12-21-71
20J	Exxon - Bowers "B" #2 330' FSL & 330' FWL	3647' DF	4247	P&A	15 1/2" 10 3/4" 7"	70# 40# 26#	225 2810 4050	225 SX 700 SX 300 SX	Circ.* 750* *950*	18"** 13 1/2"** 8 1/2"**	4050-4247 (G/SA)	12-32	05-06-46
29A	Exxon - Grimes #2 990' FNL & 660' FWL	3646' GL	4065	D&A	8 5/8" 5 1/2"	32# 14, 17#	100 3205	150 SX 450 SX	Circ.* 765*	11" 7 7/8"	3205-4065 (Bowers C/SA)	03-17-48	03-23-48
18E	Exxon - Boon Hardin #1 990' FNL & 330' FWL	———	4720	D&A	15 1/2" 9 5/8" 7"	70# 36# 24#	222 2820 4010	225 SX 650 SX 300 SX	Circ.* 910* 1910*	18"** 12 1/4"** 8 1/2"**	4010-4720 (G/SA)	05-11-33	05-15-33
20P	Exxon - Bill Sweet B "US" #3 330' FSL & 990' FEL	3645' GL	4226		15 1/2" 9 5/8" 7"	70# 36# 24#	250 2820 4015	225 SX 650 SX 300 SX	Circ.* 910* 1915*	18"** 12 1/4"** 8 1/2"**	4015-4226 (G/SA)	02-33	09-01-69
20P	Exxon - Bill Sweet B "US" #3-A 330' FSL & 700' FEL	3647' DF	4230	P&A	10 3/4" 7"	40# 20#	258 4138	150 SX 600 SX	Circ. 522*	13 1/2"** 8 3/4"**	4138-4230 (G/SA)	02-54	08-09-60
25J	Exxon - State "A" #3 1980' FEL & 1980' FSL	3667' DF	4220	P&A	12 1/2" 9 5/8" 7"	50# 36# 26#	207 2823 4100	250 SX 650 SX 350 SX	Circ.* 907* 1660*	14"** 12 1/4"** 8 1/2"**	4100-4220 (G/SA)	11-30	03-18-47
30O	Exxon - "A" Bowers #32 330' FSL & 1980' FEL	3646' GL	7075	P&A	13 3/8" 9 5/8" 3 1/2" 3 1/2"	48# 36# 7.7# 7.7#	385 3850 6140 7053	400 SX 550 SX 895 SX	Circ.* 610* 3620*	17 1/2" 11" 8 3/4" 8 3/4"	5725-5901 (Drinkard) 6974-6952	10-69	09-16-72
30J	Exxon - "A" Bowers #34 1980' FSL & 2120' FEL	3650' GL	7010	P&A	13 3/8" 9 5/8" 3 1/2" 3 1/2"	48# 36# 7.7# 7.7#	401 3850 6100 7010	400 SX 550 SX 895 SX	1660 3040* 4144*	17 1/2" 12 1/4" 8 3/4" 8 3/4"	5822-5920 (Drinkard) 6718-6912	09-69	09-26-72
29E	Exxon - USA Bowers #9 2310' FNL & 990' FWL	3654' DF	4200	P&A	12 1/2" 9 5/8" 7"	50# 36# 26#	226 2736 3976	650 SX 650 SX 300 SX	Circ.* 351* 1825*	14"** 11 3/4"** 8 1/2"**	3976-4200 (G/SA) 3222-27 (Bowers/7 Riv.)	09-30	01-02-62
29O	Exxon - USA Bowers #33 800' FNL & 660' FWL	3657' DF	6000	P&A	13 3/8" 9 5/8" 7"	48# 36# 23#	416 3950 5988	400 SX 550 SX 550 SX	Circ.* 3040* 2672*	17" 12 1/4"** 8 3/4"	5815-5953 (Blinebry)	07-69	10-03-72
16F	Getty - State "M" No. 3 2310' FNL & 2310' FWL	3658' DF	4324	P&A	8 5/8" 5 1/2"	24# 15.5#	341 4324	300 SX 600 SX	Circ.* 1096*	11" 7 7/8"	4219-4232 (G/SA)	01-60	08-27-60
29H	Getty - Grimes #5 1650' FNL & 990' FEL	3647' GL	4196	P&A	12 1/2" 9 5/8" 7"	50# 36# 24#	228 2735 3880	250 SX 600 SX 400 SX	Circ. 1133* 1094*	14"** 12 1/4"** 8 1/2"**	3880-4196 (G/SA)	12-30	06-29-50
49H	Getty - Grimes #2 2310' FNL & 990' FEL	3650' GL	4175	P&A	13" 9 5/8" 7"	70# 35# 23#	230 2718 3680	200 SX 600 SX 300 SX	Circ.* 954* 1322*	18"** 12 1/4"**	3880-4175 (G/SA)	9-30	07-03-51

PENETRATE THE INJECTION ZONE

Sec, Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Date of Abandonment
29J	Getty - Grimes WD #1 1650' FSL & 990' FEL	3650' GL	4160	P&A	12 1/2" 9 5/8" 6 5/8"	50# 36# 24#	236 2112 3826	200 SX 600 SX 300 SX	Circ.* 958* 2098*	14"** 12 1/4"** 8 1/2"**	3826-4200 (G/SA)	08-30	07-25-68
21G	Gulf - Morris #1 361' FNL & 2310' FEL	---	4255	P&A	10 3/4" 7	40# 24#	249 4085	155 SX 450 SX	Circ.* 941*	12" 8 1/4"	4085-4255 (G/SA)	10-42	10-27-43
21K	Gulf - North Grimes #4 1350' FSL & 1350' FWL	3645' GL	4225	P&A	15" 7"	40# 24#	249 4116	250 SX 1500 SX	Circ.* Circ.*	18" 9 3/8"	4126-4225 (G/SA)	04-36	02-08-49
21G	Gulf - Gertrude Morris #1 1980' FNL & 1980' FEL	3640' GL	11,211	D&A	13 3/8" 9 5/8" 5 1/2" liner	48# 36#	250 4199 4287/6250	300 SX 2820 PP 500 SX	Circ.* Circ.* 6647*	17 1/2" 12 1/4" 7 1/2"**	3888-3855 4250-4495 (G/SA) 6153-6181	11-56	01-11-57
32C	Gulf - Grimes (MCT-A) #4 330' FNL & 2310' FWL	3640' GL	4153	P&A	15 1/2" 9 5/8" 6 5/8"	70# 36# 24#	220 2742 3931	200 SX 600 SX 400 SX	Circ. 930* 1890*	18"** 12 1/4"** 8 3/4"**	3630-3700 (G/SA)	08-30	08-21-40
32C	Gulf Hunt (MCT-B) #1 330' FNL & 2310' FWL	3670' GL	4235	P&A	8 5/8" 5 1/2"	24# 14#	434 4175	325 SX 400 SX	Circ. 2233*	11" 7 7/8"	3838-4034 4142-52	06-57	04-76
30M	Marathon - St. Land Sec. 30 #4 330' FNL & 330' FWL	3662' DF	4215	P&A	16" 9 5/8" 7"	65.3# 40# 24#	160 2150 3946	225 SX 500 SX 350 SX	Circ.* 1280* 1500*	18"** 12 1/4"** 8 1/2"**	3946-4215 (G/SA) 3758-3850	11-30	01-25-57
32J	Marathon - St. Land Sec. 32 #1 2970' FNL & 1650' FEL	3636' GL	4176	P&A	12 1/2" 10 3/4" 7"	50# 41# 24#	1492 2126 3650	175 SX 200 SX 275 SX	1264* 2842* 2192*	13"** 11 1/2"** 8 3/4"**	3264-4176 (Bowers - G/SA) 3160-3203 (Bowers)	04-48	07-21-58
20G	Moran - SM - 20 #1 1650' FNL & 1650' FEL	3656' DF	6175	D&A	8 5/8"	24#	305	215 SX	Circ.	12 1/4"	D&A (Biltmehry)	03-62	10-08-62
32G	Shell St. "A" #1	3638' DF	4175	3750	12 1/2" 9" 7"	50# 36# 24#	222 2755 3850	135 SX 600 SX 200 SX	1024* 1045* 3132*	16"** 10 1/2"** 8 1/2"**	3850-4175	06-09-30	09-05-41
19I	Shell - McKinley "A" #8 2310' FSL & 1320' FEL	3659' DF	4270	P&A	12 1/2" 9 5/8" 7" 4 1/2" Liner	50# 36# 24# 11.6#	235 2810 3970 3850/4237	300 SX 600 SX 225 SX 70 SX	Circ.* 1044* 2598* 3699*	17"** 12 1/4"** 8 1/2"** 6"**	3970-4210 (G/SA) 4233-4270 (G/SA) 3740-3841	09-30	04-17-63
19J	Shell - McKinley "A" - 19 #1 2310' FSL & 1650' FEL	3655' DF	9550	D&A	13 3/8" 9 5/8"	48# 36, 40#	351 4498	350 SX 2500 SX	Circ.* Circ.*	17" 12 1/4"	4498-9550 3260-3301 (Bowers)	D&A 08-26-62	02-19-63
17D	Shell - State "MC" #1 990' FNL & 330' FWL	3667' DF	4360	D&A	7 5/8" 4 1/2"	24# 11.6#	266 4360	230 SX 350 SX	Circ. 2074*	9 7/8" 6 3/4"	-	01-62	03-30-62
14P	Shell - State "E" #1 4620' FNL & 330' FEL	3686' DF	4180	P&A	12 1/4" 9 5/8" 7"	50# 36# 24#	229 1612 4014	150 SX 650 SX 280 SX	65* Circ.* 2324*	12" 12" 8 3/4"	4014-4180 (G/SA)	01-36	12-21-38
21A	Shell - State "F" #1 660' FNL & 330' FEL	3673' DF	4150	P&A	8 5/8" 4 1/2"	32# 9.5#	1592 4099	525 SX 130 SX	Circ.* 3249*	11" 6 3/4"	4099-4122 (G/SA) 3300-3350 (Bowers) 2745-2860	09-48	10-15-57
27O	Shell - Sanger #1 (King) 4637' FNL & 2638' FEL	3629' GL	4286	D&A	8 5/8" 5 1/2"	32# 14, 17#	746 4069	200 SX 350 SX	Circ.* 2173*	11" 7 7/8"	4069-4286 (G/SA)	01-48	02-14-48
20G	Sun - McKinley "A" #1 330' FSL & 330' FWL	3651' GL	8010	P&A	13" 7" 5, 5 1/2"	50# 24# 15.5# 18	253 4135 7543	150 SX 875 SX 350 SX	Circ.* 1130* 4489*	16"** 9 7/8" 6 1/4"	7543-8010	01-47	02-15-47
20G	Sun - McKinley "B" #1-A 2310' FNL & 1980' FEL	3655' GL	4270	P&A	10 3/4" 7" 5"	40.5# 20# 15.5#	278 4100 4050/4270	125 SX 350 SX 50 SX	Circ.* 1985* 4050*	13" 8 3/4" 6 1/4"	4147-90 (C)	03-52	
21E	Antwell - Morris #1 2310' FNL & 330' FWL	3653' DF	4294	D&A	10 3/4" 7"	40# 20#	283 4100	150 SX 150 SX	55* 3196*	15" 8 3/4"	4100-4294 (G/SA)	09-52	11-01-52
26D	Coctue Drlg. - Pan Am. St. #1 355' FNL & 990' FWL	3688' DF	4359	D&A	13 3/8" 5 1/2"	- 15.5#	310 3869	150 SX 150 SX	96* 3099*	17 1/4" 7 7/8"	3869-4359 3785-3807 3450-3595	05-57	08-57
12P	R. D. Collier - Pan Am. #1 660' FSL & 660' FEL	3680' DF	4368	D&A	10 3/4" 5 1/2"	25# 17#	260 4368	100 SX 300 SX	Circ. 2828*	15"** 7 7/8"	4291-4350 (G/SA)	01-30-58	06-13-58
7O	Landreth Prod. - State #1-A 440' FSL & 2200' FEL	3674' DF	4520	P&A	20" 12 1/2" 10" 7"	90# 50# 40# 24#	120 1727 3089 4133	Information not available				08-30	08-07-31
35H	Hobbs High Inc. - H.B. Tatum #1 990' FSL & 330' FWL	3610' DF	4100	D&A	12 1/2" 8" 6"		280 1660 4100	Information not available					05-36
20I	C. M. Sweet - Grimes #1	3647' GL	4244	P&A	12 1/2" 7"	50# 24#	232 4015	150 SX 550 SX	48* 699*	17"** 8 3/4"**	4015-4244 (G/SA)	11-34	11-20-52
26B	Wiser - Gulf St. #1 330' FNL & 1650' FEL	3674' DF	4263	P&A	8 5/8" 4 1/2"	24# 11.6#	320 4263	200 SX 240 SX	Circ.* 3321*	11" 7 7/8"	4000-4256 (G/SA)	11-59	06-18-65

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	Casing TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
18I	141 Amerada Hardin #1 330' FSL & 330' FWL	3673 DF	4395	4151	16" 10 3/4" 8 5/8" 6 5/8" Lnr. 4 1/2" Lnr.	70# 45# 32# - -	222 2781 3923 3859/4166 4086/4393	250 SX 450 SX 275 SX 50 SX 100 SX	Circ.* 1656* 2133* 3859* 4086*	18 1/2"** 13 1/2"** 10"** 8 1/4"** 6 1/4"**	3953-4059 (G)	6-32	1-76 (TA)
18N	241 Amerada Hardin #2 330' FSL & 2310' FWL	3670 DF	4325		12 1/2" 9 5/8" 7" 5 1/2" Lnr. 4" Lnr.	50# 36# 24# - -	228 2802 3917 3877/4197 4148/4323	250 SX 450 SX 300 SX 50 SX 35 SX	Circ.* 1151* 2123* 3251* 4148*	16"** 11 3/4"** 8 3/4"** 6 1/4" 5"	3992-4052 (G) 4233-4285 (SA)	11-32	6-73 (TA)
18L	131 Amerada Hardin #3 2310' FSL & 330' FWL	3676 DF	4180	4046	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# -	225 2803 4134 4011/4180	250 SX 450 SX 300 SX -	Circ.* 1152* 2320* -	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4011-4046 (G)	6-33	6-73 (TA)
18K	231 Amerada Hardin #5 1980' FSL & 1901' FWL	3676 DF	4290	4164	7" 4 1/2"	17# 9.5#	327 4289	250 SX 185 SX	Circ. 2822	9 5/8" 6 1/4"	4004-4064 (G)	5-59	6-73 (TA)
30G	111 Amerada McKinley #1 330' FNL & 330' FWL	3650 GL	4230		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# 10.5#	231 2755 3851 3784/4229	250 SX 450 SX 200 SX 220 SX	Circ.* 1104* 2102* 3784*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	3851-4043 (G) 4043-4130 (SA)	7-30	
30F	221 Amerada McKinley #2 2310' FNL & 2310' FWL	3659 GL	4208		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# -	260 2750 3852 3799/4207	250 SX 535 SX 250 SX 125 SX	Circ. 787* 1666* 3799*	16" 11 3/4"** 8 1/4" 6 1/4"	3851-4041 (G) 4041-4208 (SA)	4-30	
30C	211 Amerada McKinley #3 330' FNL & 2310' FWL	3654 GL	4227		12 1/2" 9 5/8" 6 5/8"	50# 40# 24#	230 2647 3972	200 SX 400 SX 250 SX	Circ.* 1179* 2248*	16"** 11 3/4"** 8 1/4"**	3972-4227 (SA)	8-30	
30E	121 Amerada McKinley #4 2110' FNL & 330' FWL	3662 DF	4198		12 1/2" 9 5/8" 7"	50# 36# 24#	212 2749 3994	200 SX 400 SX 425 SX	Circ.* 1281* 1424*	16"** 11 3/4"** 8 3/4"**	3994-4046 (G) 4046-4114 (SA)	9-30	
32B	311 Amerada State A #1 990' FNL & 2310' FEL	3638 GL	4160		12 1/2 " 9 5/8" 7"	50# 40# 24#	207 2739 3936	200 SX 425 SX 350 SX	Circ.* 1179* 1821*	16"** 11 3/4"** 8 3/4"**	3939-3964 (G) 3964-4160 (SA)	8-30	
32A	411 Amerada State A #2 330' FNL & 330' FEL	3658 DF	4160		12 1/2" 9 5/8' 7"	50# 36# 24#	224 2740 3939	200 SX 400 SX 500 SX	Circ.* 1272* 915*	16"** 11 3/4"** 8 3/4"**	4095-4160 (SA)	9-30	
29F	221 Amerada State B #1 2310' FNL & 1650' FWL	3653 DF	4214		12 1/2" 9 5/8" 5 1/2" 4 1/2"	50# 36# 24# -	210 2704 3997 4213	200 SX 400 SX 500 SX -	Circ.* 1256* 1373* -	16"** 11 3/4"** 7 7/8"** 5"**	4175-4185 (SA)		
29G	321 Amerada State B #2 2310' FNL & 1650' FEL	3652 DF	4207		12 1/2" 9 5/8" 7"	50# 36# 24#	221 2756 3995	250 SX 500 SX 300 SX	Circ.* 921* 2181*	16"** 11 3/4"** 8 3/4"**	3995-4058 (G) 4058-4207 (SA)		
29B	311 Amerada State B #3 990' FNL & 1650' FEL	3653 DF	4269		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	241 2716 4008 4234	250 SX 400 SX 500 SX 100 SX	Circ.* 1308* 984* 2143*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4064-4110 (G)	10-30	
29C	211 Amerada State B #4 330' FNL & 2310' FWL	3656 DF	4253		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# -	243 2796 4007 4207/4250	250 SX 400 SX 500 SX 100 SX	Circ.* 1328* 983* 3535*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4125-4150 (G) 4180-4253 (SA)	11-30	11-40 (Deepened SA)
36A	431 Amerada State C #1 330' FNL & 330' FEL	3658 DF	4236	4167	15 1/2" 10" 7"	70# 45# 24#	242 2750 4062	400 SX 500 SX 500 SX	Circ.* 1418* 1038*	18"** 12 3/4"** 8 3/4"**	4062-4167 (G)	1-31	
36H	421 Amerada State C #2 1650' FNL & 330' FEL	3658 DF	4210		8 5/8" 5 1/2"	24# 15.5#	367 4210	380 SX 400 SX	Circ.* 2111*	12 1/4" 7 7/8"	4046-4209	9-56	
36G	321 Amerada State C #3 1650' FNL & 1650' FEL	3663 DF	4293	4280	8 5/8" 5 1/2"	24# 15.5#	374 4286	350 SX 400 SX	Circ. 2825	12 1/4" 7 7/8"	4156-4262 (G)	11-56	10-74 (TA)
24E	122 Amerada State E #1 1650' FNL & 990' FWL	3682 DF	4319	4128	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 14#	228 2821 4053 4012/4269	250 SX 450 SX 300 SX -	Circ.* 1170* 2239*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4094-4115 (G) 4140-4150 (SA-Dense)	1-35	

*Calculated
**Estimate

PROPOSED NORTH HOBBS
(GRAYBURG - SAN ANDRES)
UNIT WELLS

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Sxs. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
24D	111 Amerada State B #2 330' FNL & 990' FWL	3681 DF	4273		10 3/4" 7" 5 1/2" Lnr.	40# 24# 15#	231 3998 3947/4268	250 SX 500 SX 30 SX	Circ.* 975* 3942*	13 1/2"** 8 5/8"** 6 1/8"	4034-4054 (G) 4082-4148 (SA)	8-35	
14O	341 Amerada State NNB #1 660' FSL & 1650' FEL	3688 DF	4176		8 5/8" 5 1/2"	32# 15.5#	303 4163	250 SX 400 SX	Circ. 2610	12 1/4" 7 7/8"	4143-4176 (G)	11-57	9-74 (TA)
14K	231 Amerada State NNB #2 1650' FSL & 2310' FWL	3698 DF	4250	4247	8 5/8" 5 1/2"	24, 32# 14#	262 4249	250 SX 400 SX	Circ. 3105	12 1/4" 7 7/8"	4156-4228 (G)	8-58	6-73 (TA)
33E	131 Amoco State G #1 2310' FNL & 330' FWL	3650 GL	4275	4231	12 1/4" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 26# 9.5#	184 2155 3951 4251/4279	- - - 135 SX	- - - 4251*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4208-4223 (SA)	8-30	
33F	221 Amoco State G #2 2310' FNL & 1320' FWL	3643 GL	4242		12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	209 2000 4012 4247	- - - 100 SX	- - - 3057*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4203-4214 (SA)	9-30	
21J	331 Antwell Hobbs CT #1 1650' FSL & 2260' FEL	3647 GL	4225	4222	8 5/8" 4 1/2"	20# 9.5#	430 4224	250 SX 485 SX	Circ. 2288*	11" 7 7/8"	4185-4206 (G)	10-64	
20J	341 Atlantic Grimes #1 330' FSL & 2310' FEL	3643 GL	4248		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 9.5#	232 2190 4037 3886/4248	200 SX 500 SX 300 SX 70 SX	Circ.* 9551 2223* 3886*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4037-4158 (G)	10-30	
28E	121 Atlantic Grimes SOC #1 2310' FNL & 330' FWL	3643 GL	4250	4247	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	228 2750 3942 3893/4250	245 SX 700 SX 300 SX 65 SX	Circ.* 1181* 2128* 3893*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4139-4243 (SA)	9-30	
28F	221 Atlantic Grimes SOC #2A 1910' FNL & 1650' FWL	3646 GL	4240	4238	10 3/4" 7"	32, 75# 20, 23#	581 4240	600 SX 682 SX	Circ.* 116*	15" 8 3/4"	4166-4240 (SA)	2-59	7-71 (Rec.)
28O	111 Atlantic Grimes SOC #3 990' FNL & 330' FWL	3646 GL	4280	4130	15 1/2" 10" 7" 4 1/2" Lnr.	70# 45# 26# 11.6#	296 2704 3556 3913/4234	200 SX 150 SX 250 SX 50 SX	Circ.* 2304* 2444* 3913*	18"** 12 3/4"** 8 3/4"** 6 1/4"**	4109-4121 (G)	7-34	
28C	211 Atlantic Grimes SOC #4 990' FNL & 2310' FWL	3649 GL	4220		15 1/2" 10 3/4" 7"	70# 45# 24#	243 2333 4036	300 SX 200 SX 600 SX	Circ.* 2428* 1617*	18"** 15"** 8 3/4"**	4036-4161 (G) 4163-4220 (SA)	9-35	
36B	312 Byrom Gulf Holt Sc. #1 330' FNL & 1650' FEL	3651 GL	4225	4212	8 5/8" 5 1/2"	24# 14#	320 4225	300 SX 450 SX	Circ.* 2605*	13 3/4" 8 3/4"	4114-4168 (G)	3-53	
20F	221 Chevron McKinley #1 2110' FNL & 1320' FWL	3645 GL	4290		13 3/8" 9 5/8" 7" 4 1/2" Lnr.	54.5# 36# 24# -	237 2170 4026 3900/4290	162 SX 700 SX 150 SX -	22* 338* 3119* -	17"** 12 1/4"** 8 3/4"** 8 1/8"	4227-4226 (G)	10-30	
20E	122 Chevron McKinley #2 1980' FNL & 660' FWL	3648 GL	5391		16" 7" 4 1/2" Lnr.	70# 24# -	259 4054 -	225 SX 275 SX -	256 4022 -	19 1/4" 8 5/8" 6 3/4"**	4216-4226 (SA)	5-33	
17L	131 Chevron State 17 #1 1650' FSL & 330' FWL	3649 DF	4207	4193	9 5/8" 7"	32, 36# 23#	423 4206	240 SX 925 SX	Circ.* Circ.*	12 1/4" 8 3/4"	4127-4187 (G)	6-57	6-73 (TA)
29P	441 Chevron State 29 #3 330' FSL & 330' FSL	3643 GL	4220		13 3/8" 9 5/8" 7" 5" Lnr.	54.5# 36# 24# -	232 2743 3950 4020/4172	150 SX 1400 SX 300 SX 22 SX	Circ.* Circ.* 2136* 4020*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4020-4028 (SA) 4150-4220 (SA)	10-30	
29O	341 Chevron State 29 #4 2318' FSL & 330' FSL	3643 GL	4220		13 3/8" 9 5/8" 7" 5"	54.5# 36# 24# -	210 2730 3934 4162	150 SX 700 SX 300 SX 350 SX	Circ.* 218* 2120* Circ.	17"** 12 1/4"** 8 3/4"** 6 1/4"	4010-4035 (SA) 4160-4220 (SA)	10-30	
31A	411 Cities Service Fowler #1 330' FNL & 330' FEL	3645 GL	4175		12 1/2" 9" 6 5/8"	50# 36# 24#	242 2744 3938	50 600 200	197* 1868* 3248*	16"** 11 3/4"** 8 1/4"**	3938-4035 (G) 4035-4175 (SA)	7-30	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
31B	311 Cities Service Fowler #2 440' FNL & 2310' FEL	3669 GL	4101	4197	12 1/2" 9" 6 5/8" 5" Lnr.	50# 36# 24# 18#	230 2315 3951 3882/4194	200 SX 500 SX 250 SX 35 SX	Circ.* 1235* 2227* 3882*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	3991-4047 (G)	9-30	3-75 (TA)
31G	321 Cities Service Fowler #3 2200' FNL & 2310' FEL	3644 GL	4212		12 1/2" 9" 7"	50# 36# 24#	227 2750 3957	150 SX 500 SX 200 SX	Circ.* 1769* 2748*	16"** 11 3/4"** 8 3/4"**	3957-4099 (G) 4099-4212 (SA)	11-30	
31H	421 Cities Service Fowler #4 1370' FNL & 330' FEL	3651 GL	4190	4133	12 1/2" 9 5/8" 7" 5 1/2"	50# 40# 24# 15.5#	241 2760 3955 4190	100 SX 300 SX 150 SX 611 SX	64* 1659* 3048* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4103-4121 (SA)	4-34	
31A	412 Cities Service Fowler #9 660' FNL & 660' FEL	3651 GL	4260	4190	13 3/8" 8 5/8" 5 1/2"	48# 24, 32# 14, 15.5, 20#	353 3799 4255	350 SX 500 SX 400 SX	Circ. 2372 3080	17 1/2" 11" 7 7/8"	4066-4151 (SA)	1-69	
19F	221 Cities Service Hardin #1 2310' FNL & 2310' FWL	3661 DF	4209		12 1/2" 9" 7"	50# 40# 24#	241 2750 3991	200 SX 500 SX 200 SX	Circ.* 1289* 2762*	16"** 11 3/4"** 8 3/4"**	3991-4054 (G) 4054-4209 (SA)	9-30	
19E	121 Cities Service Hardin #2 2310' FNL & 333' FWL	3666 DF	4250		12 1/2" 9" 7" 4 1/2" Lnr.	50# 40# 24# -	245 2752 4020 3884/4250	200 SX 500 SX 200 SX 45 SX	Circ.* 1291* 2811* 3954*	16"** 11 3/4"** 8 3/4"** 6 3/4"**	4230-4248 (SA)	9-30	
19C	211 Cities Service Hardin #3 1309' FNL & 2310' FWL	3663 DF	4270	4243	12 1/2" 9" 7" 5" Lnr.	50# 36# 24# -	241 2750 3983 3925/4266	200 SX 500 SX 200 SX 50 SX	Circ.* 915* 2726* 3925*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4261 (SA)	11-30	
19D	112 Cities Service Hardin #4 330' FNL & 330' FWL	3672 DF	4304	4008	12 1/2" 9" 7"	50# 36# 24#	230 2770 3945	150 SX 500 SX 250 SX	Circ.* 1309* 2433*	16"** 11 3/4"** 8 3/4"**	3945-4008 (G)	9-32	4-52 (TA)
19O	111 Cities Service Hardin #5 990' FNL & 990' FWL	3671 DF	4255	4253	8 5/8" 5 1/2"	24# 14#	251 4254	200 SX 1500 SX	Circ. 1108	11" 7 7/8"	4242-4248 (SA)	5-52	
28O	341 Continental Grimes #1 2310' FEL & 330' FSL	3642 GL	4278		13 3/8" 9 5/8" 7" 5"	48# 36# 24# -	222 1637 3975 4276	180 SX 300 SX 400 SX 100 SX	Circ.* 766* 1556* 3091*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4128-4258 (SA)	7-34	
28P	431 Continental Grimes #2 660' FEL & 330' FSL	3642 GL	4220		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	243 1634 4015	150 SX 300 SX 300 SX	Circ.* 185* Circ.*	13 1/2"** 9 5/8"** 6 1/4"	4015-4040 (G) 4040-4220 (SA)	1-35	
28J	331 Continental Grimes #3 2310' FEL & 1650' FSL	3649 GL	4225		10 3/4" 7 5/8" 5 1/2" 4"	45# 26.4# 17# -	245 1635 4015 4280	150 SX 300 SX 300 SX 100 SX	Circ.* 186* Circ.* 2428*	13 1/2"** 9 5/8"** 6 1/4"** 5"**	4015-4048 (G) 4048-4225 (SA) 4256-68	5-35	
28I	431 Continental Grimes #4 990' FEL & 1650' FSL	3648 GL	4225		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	225 1640 3993	150 SX 400 SX 400 SX	Circ.* Circ.* 1894*	13 1/2"** 9 5/8"** 7 7/8"**	3993-4084 (G) 4084-4225 (SA)	9-35	
29J	331 Continental State A29 #1 1650' FEL & 1650' FSL	3655 DF	4270	4248	12 1/2" 9 5/8" 7" 4 1/2"	50# 40# 24# 10.5#	234 2742 3929 4270	170 500 SX 300 SX 350 SX	Circ.* 907* 2115* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4044-4063 (SA) 4205-4242 (SA)	9-30	1-76 (TA)
29N	241 Continental State A29 #2 330' FSL & 2310' FWL	3645 GL	4184		12 1/2" 9 5/8" 7"	50# 40# 24#	213 2730 3929	150 SX 500 SX 300 SX	Circ.* 895* 2115*	16"** 11 3/4"** 8 3/4"**	4155-4204 (SA)	10-30	
29K	231 Continental State A29 #3 1650' FEL & 2310' FSL	3650 GL	4220		15 1/2" 9 5/8" 7"	70# 40# 24#	252 2729 3953	1000 SX 600 SX 300 SX	Circ.* 987* 2139*	18"** 12 1/4"** 8 3/4"**	4176-4190 (SA)	10-30	
33N	141 Continental State A33 #1 660' FSL & 660' FWL	3635 GL	4258		12 1/2" 9 5/8" 7" 5" Lnr.	50# 40# 24# 18#	209 2738 3976 3828/4258	165 SX 500 SX 275 SX 45 SX	Circ.* 903* 2313* 3828*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4236-4249 (SA)	9-30	
33L	132 Continental State A33 #2 2310' FNL & 330' FWL	3635	4243		15 1/2" 9 5/8" 7" 5"	70# 40# 24# 18#	208 2740 3953 3922	373 SX 500 SX 300 SX 100 SX	Circ.* 1289* 2139* 3057*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4193-4238 (SA)	10-30	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elevs.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
33K	231 Continental State A33 #3	3645 GL	4259		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 24# -	183 2732 3946 3940/4235	250 SX 600 SX 990* 310 SX 50 SX	Circ.* Circ.* 2071* 3940*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4198-4259 (SA)		
33J	331 Continental State A33 #4 1920' FSL & 1780' FEL	3648 GL	4234		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 24# -	216 2751 3933 3871/4232	425 SX 600 SX 1009* 335 SX 1922* 50 SX 3871*	Circ.* Circ.* 1922* 3871*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4181-4209 (SA)	11-31	
33O	341 Continental State A33 #5 1980' FEL & 660' FSL	3633 DF	4247		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 24# -	213 2755 3981 3970/4237	350 SX 600 SX 1013* 325 SX 2016* 100 SX 3970*	Circ.* Circ.* 2016* 3970*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4237-4247 (SA)	12-31	
33P	241 Continental State A33 #6 660' FSL & 1980' FWL	3639 DF	4232		15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 40# 24# -	223 2754 3971 3911/4236	350 SX 600 SX 1012* 387 SX [631* 150 SX 3911*	Circ.* Circ.* 1012* 3911*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4236-4232	2-32	
33G	321 Continental State A33 #7 1950' FNL & 1950' FEL	3648 GL	4264		15 1/2" 9 5/8" 7" 5 1/2"	70 40 24 15.5	259 2756 3970 4264	235 SX 400 SX 1615* 150 SX+80 300 SX	Circ.* Circ.* 1615* [853* 1407*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4225-4234 (SA)	1-33	
13H	241 Continental State B13 #1 660' FSL & 1980' FWL	3680 DF	4035		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	236 1615 4002	150 SX 300 SX 400 SX	Circ.* 1661 Circ.*	13 1/2"** 9 5/8"** 6 1/4"**	4002-4024 (G) 4024-4035 (SA)	6-35	2-76 (TA)
13N	141 Continental State B13 #2 660' FSL & 660' FWL	3684 DF	4235		13" 9 5/8" 7" 5" Lnr.	50# 36# 24# -	270 1630 4005 3957/4235	200 SX 400 SX 469* 400 SX 1586* 75 SX	Circ.* 12 1/4"** 8 3/4"** 3957*	16"** 6 1/4"	4002-4040 (G)	9-35	1-51
13F	221 Continental State B13 #4 1980' FNL & 1980' FWL	3688 DF	4160	4156	8 5/8" 5 1/2"	24# 14#	307 4159	300 SX 1700 SX	Circ. 1750	11"** 7 7/8"**	4049-4152 (G)	4-57	
13E	121 Continental State B13 #5 1980' FNL & 660' FWL	3692 DF	4235	4198	8 5/8" 5 1/2"	- -	304 4199	282 SX 1800 SX	Circ.* Circ.*	11"** 7 7/8"**	4092-4235 (G)	6-57	
13C	211 Continental State B13 #6 660' FNL & 1980' FWL	3691 DF	4257		8 5/8" 5 1/2"	32# 14#	318 4256	300 SX 1800 SX	Circ. 1825 (TS)	11"** 7 7/8"**	4172-4248 (G)		
13L	131 Continental State B13 #7 330' FNL & 1980' FWL	3691 DF	4154	4118	8 5/8" 5 1/2"	24# 14#	353 4153	375 SX 950 SX	Circ.* Circ.*	11" 7 7/8"	4002-4114 (G)	4-61	
25C	211 Continental State A 25 #1 330' FNL & 2310' FWL	3673 DF	4225	4219	15 1/2" 9 5/8" 7"	70# 40# 24#	214 2767 4026	225 SX 600 SX 325 SX	Circ.* 1025* 2061*	18"** 12 1/4"** 8 3/4"**	4026-4108 (G) 4108-4225 (SA)	3-33	
25D	111 Continental State [illegible] #2 660' FNL & 660' FWL	3675 DF	4200		8 5/8" 5 1/2"	28# 14#	302 4199	250 SX 1500 SX	Circ.* Circ.*	11"** 7 7/8"**	4087-4180 (G)	4-57	
31K	231 Mobil Berry #1 1250' FWL & 2196' FSL	3644 GL	4190		13 3/8" 9 5/8" 7" 5" Lnr.	- - - -	245 2800 3955 3847/4190	- - 300 SX 110 SX	- - 2141* 3847*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4094-4110 (G)		
31N	241 Mobil Berry #2 990' FSL & 2310' FWL	3646 GL	4155		9 5/8" 7" 5"	36# 24# 15#	470 3225 4141	200 SX 800 SX 90 SX	Circ.* Circ.* 3074*	12 1/4" 8 3/4" 6 1/4"	4018-4136 (G) 4141-4155 (SA)	5-48	
31L	131 Mobil Berry #3 900' FWL & 2310' FSL	3651 GL	4207		9 5/8" 7" 5"	36# 23# 15#	430 3240 4165	350 SX 500 SX 90 SX	Circ.* Circ.* 3098*	12 1/4" 8 3/4" 6 1/4"	4039-4202 (G) 4202-4207 (SA)	11-49	
31M	141 Mobil Berry #4 990' FSL & 990 FWL	3650 GL	4317	4200	10 3/4" 7" 5"	32.75# 23# 15#	435 3303 4317	350 SX 500 SX 100 SX	Circ.* 27a* 3132*	13 3/4" 8 3/4" 6 1/4"	4097-4182 (G)	2-50	
30J	332 Exxon Bowers A Fed. #2 2335' FSL & 2310' FEL	3554 DF	4238		15 1/2" 12 1/2" 9 5/8" 7" 5 1/2"	70# 50# 36# 26# -	100 242 2750 3960 4238	- 225 SX 650 SX 300 SX -	- Circ.* 852* 2146* -	18"** 16"** 11 3/4"** 8 3/4"** 6 1/4"**	4068-4092 (SA)	8-30	

*Calculated
**Estimate

PROPOSED NORTH HOBBS
(GRAYBURG - SAN ANDRES)
UNIT WELLS

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date	
29M	141 Exxon Bowers A Fed. #3 330' FSL & 330' FWL	3644 GL	4201	4074	12 1/2" 9" 7" 5 1/2"	50# 36# 26# -	218 2350 3960 3961	200 SX 650 SX 300 SX 250 SX	Circ.* 851* 2146* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4052-4072 (SA)	8-30		
30P	441 Exxon Bowers A Fed. #4 330' FSL & 330' FEL	3646 GL	4206	4060	12 1/2" 9 5/8" 7"	50# 36# 26#	213 2350 3970	200 SX 650 SX 300 SX	Circ.* 365* 2156*	16"** 11 3/4"** 8 3/4"**	4035-4060 (SA)	8-30		
30I	431 Exxon Bowers A Fed. #5 2310' FSL & 990' FEL	3652 DF	4218	4062	12 1/2" 9 5/8" 7"	50# 36# 26#	216 2350 3925	200 SX 650 SX 300 SX	Circ.* 365* 2161*	16"** 11 3/4"** 8 3/4"**	3935-4026 (G) 4026-4062 (SA)	9-30		
29E	121 Exxon Bowers A Fed. #7 2970' FNL & 330' FWL	3665 DF	4201	4193	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 23# 11.6#	231 2339 3104 3900/4201	250 SX 650 SX 100 SX 100 SX	Circ.* 354* 2429* 2900	16"** 11 3/4"** 8 3/4"** 6 1/8"**	4185-4189 (SA)	9-82	12-82 (P&A)	
30G	342 Exxon Bowers A Fed. #8 440' FSL & 330' FWL	3654 DF	4237	4104	12 1/2" 9 5/8" 7"	50# 36# 26#	220 2350 3916	210 SX 650 SX 300 SX	Circ.* 365* 2160*	16"** 11 3/4"** 8 3/4"**	4069-4104 (SA)	10-30	9-33 (TA)	
29L	131 Exxon Bowers A Fed. #10 2310' FSL & 990' FWL	3649 GL	4220		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 26# -	225 2350 3976 3870/4220	250 SX 650 SX 300 SX 50 SX	Circ.* 365* 2162* 3870*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4180-4192 (SA)	10-[illegible]0		
30O	341 Exxon Bowers A Fed. #36 990' FSL & 1650' FEL	3655 DF	4352	4282	9 5/8" 5 1/2" 3 1/2" Lnr.	36# 15.5, 17# -	1463 3956 3715/4350	500 SX 625 SX 125 SX	12* 677* 2330*	12 1/4" 7 7/8" 6 1/4"**	4056-4077 (SA)	3-74		
29O	111 Exxon Bowers A Fed. Com. #35 990' FNL & 330' FWL	3662 DF	4331	4250	8 5/8" 5 1/2"	24# 14#	310 3905	150 SX 300 SX	Circ. 2331*	11" 7 7/8"	4168-4250 (SA)	12-71		
29A	411 Exxon Grimes #1 990' FNL & 990' FEL	3647 GL	4250	4145	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 26# -	245 2750 4045 3941/4223	250 SX 650 SX 300 SX 30 SX	Circ. 365* 2231* 3941*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4102-4127 (G) 4154-4214 (SA)	10-30		
25I	431 Exxon New Mexico State #1 330' FEL & 2310' FSL	3649 GL	4215	4095	12 1/2" 9 5/8" 7"	50# 36# 26#	215 2750 3977	260 SX 650 SX 300 SX	Circ.* 365* 2163*	16"** 11 3/4"** 8 3/4"**	3977-4095 (C)	10-30		
25O	341 Exxon New Mexico State #5 660' FSL & 1650' FEL	3667 DF	4220	4220	8 5/8" 5 1/2"	29, 32# 15.5#	1639 4220	900 SX 1100 SX	Circ. 1610	11" 7 7/8"	4095-4210 (C)	12-53		
25K	231 Exxon New Mexico State #6 2310' FSL & 2310' FWL	3670 DF	4253	4245	8 5/8" 5 1/2"	24# 14#	1800 4252	2000 SX 1250 SX	Circ. Circ.	11" 6 3/4"	4090-4156 (G)	3-55		
25P	441 Exxon New Mexico State #7 330' FEL & 990' FSL	3657 DF	4188	4139	8 5/8" 5 1/2"	24# 14#	344 4187	225 SX 1450 SX	Circ.* Circ.*	11" 6 3/4"	4026-4137 (G)	4-55		
25J	331 Exxon New Mexico State #8 1980' FWL & 1650' FSL	3668 DF	4110	4108	8 5/8" 5 1/2"	24# 14#	345 4110	200 SX 1500 SX	Circ.* Circ.*	11"** 7 7/8"**	4022-4098 (G)	2-55		
25N	241 Exxon New Mexico State #9 2310' FWL & 990' FSL	3672 GL	4240	4239	8 5/8" 5 1/2"	24# 17#	350 4240	225 SX 1700 SX	Circ.* Circ.*	11" 7 7/8"	4160-4238 (G)	7-58		
29I	431 Getty Grimes #3 2310' FSL & 330' FEL	3653 GL	4234		15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# 15.5#	228 2720 3900 3598/4229	200 SX 600 SX 300 SX [illegible]	Circ.* 978* 2086* [illegible]	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4155-4225 (SA)	10-30	10-48 (Rec.)	
29N	421 Getty Grimes #4 2310' FNL & 330' FEL	3647 GL	4236		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# -	220 2720 3890 3796/4236	200 SX 600 SX 300 SX 50 SX	Circ.* 518* 2066* 3196*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4160-4232 (SA)	12-30	8-49 (Rec.)	
19G	121 Getty Hardin #1 2310' FNL & 2310' FEL	3662 GL	4260	4244	15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# -	219 2760 3952 3809/4244	200 SX 600 SX 300 SX 100 SX	Circ.* 1018* 2138* 3809*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4180-4260 (SA)	9-39	9-71 (Rec.)	Casing leak in 7" 5-58
19H	421 Getty Hardin #2 2310' FNL & 1305' FEL	3665 GL	4240	4135	12 1/2" 9 5/8" 7"	50# 36# 24#	217 2743 3948	200 SX 600 SX 300 SX	Circ.* 541* 2134*	16"** 11 3/4"** 8 3/4"**	3948-4135 (G)	11-30		Casing leak in 7" 8-70
19B	311 Getty Hardin #3 1309' FNL & 2310' FEL	3657 GL	4222	4097	12 1/2" 9 5/8" 7"	50# 36# 24#	217 2750 3952	200 SX 600 SX 300 SX	Circ.* 548* 2138*	16"** 11 3/4"** 8 3/4"**	3952-4086 (G) 4086-4097 (SA)	11-30		

N. Hobbs (G/SA) Unit Well No.

Sec., Unit	Operator/Lease Name/Well No., Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
19A	411 Getty Hardin #4 1300' FNL & 1300' FEL	3662 DF	4342	4335	12 1/2" 7" 4 1/2" Lnr.	50# 36# -	226 3966 3867/4342	200 SX 700 SX 100 SX	Circ.* Circ.* 3867*	18 3/4" 9 3/4"** 6 1/4"**	3971-4108 (G) 4128-4306 (SA)	2-33	
30C	321 Getty McKinley #1 2310' FNL & 2310' FEL	3656 GL	4200		12 1/2" 9 5/8" 7" 5"	50# 36# 24# -	245 2755 3854 4200	200 SX 600 SX 250 SX 405 SX	Circ.* 553* 2342* Circ.	16"** 11 3/4"** 8 3/4"** 7"**	4030-4060 (G) 4130-4170 (SA)	7-30	7-54 (Rec.)
30M	421 Getty McKinley #2 2310' FNL & 990' FEL	3648 GL	4202		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 13#	251 2756 3858 4202	200 SX 600 SX 250 SX 450 SX	Circ.* 554* Circ. Circ.	16"** 11 3/4"** 8 3/4"** 6 3/4"**	4114-4150 (SA)	7-30	5-57 (Rec.)
30B	311 Getty McKinley #4 330' FNL & 2310' FEL	3658 DF	4219		12 1/2" 9 5/8" 7"	50# 36# 24#	245 2753 3998	200 SX 600 SX 250 SX	Circ.* 551* 2486*	16"** 11 3/4"** 8 3/4"**	3998-4060 (G) 4060-4219 (SA)	8-30	
30A	411 Getty McKinley #5 330' FNL & 330' FEL	3659 DF	4223	4124	12 1/2" 9 5/8" 6 5/8"	50# 40# 24#	247 2756 4042	250 SX 600 SX 250 SX	Circ.* 554* 2318*	18"** 11 3/4"** 8 1/4"**	4042-4102 (G) 4102-4124 (SA)	12-32	
30A	412 Getty McKinley #11 760' FNL & 550' FEL	3659 DF	7108	7065	13 3/8" 9 5/8" 7"	- 40# 23, 26#	329 3948 7106	400 SX 1200 SX 865 SX	Circ.* 365* 1875*	17 1/2" 12 1/4" 8 3/4"	4009-4083 (G)	1-70	5-72 (Rec.)
14N	421 Getty State B #1 2310' FNL & 330' FEL	3681 DF	4368	4180	10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	221 1734 4019	225 SX 500 SX 125 SX	Circ.* Circ.* 1655*	13 1/2"** 9 5/8"** 6 1/4"**	4019-4180 (G)	1-36	
14G	321 Getty State B #2 2310' FNL & 1650' FEL	3698 DF	4275	4270	9 5/8" 5 1/2"	25.4# 15.5#	334 4274	325 SX 600 SX	Circ. 2595	11" 7 7/8"	4206-4232 (G)	12-59	
31F	321 Getty Fowler #2 2200' FNL & 2310' FWL	3646 GL	4215		12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	208 2796 3964 4215	300 SX 400 SX 450 SX 325 SX	Circ.* 1328* 1241* 361*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4106-4120 (G) 4128-4160 (SA)	11-30	
26A	411 Getty Hobbs B #1 330' FNL & 330' FEL	3679 DF	4276		8 5/8" 5 1/2"	24# 14#	393 4256	200 SX 600 SX	Circ. 2157*	11" 7 7/8*	4163-4199 (G) 4214-4276 (SA)	10-5[illegible]	
20D	111 Getty McKinley #1 330' FWL & 330' FWL	3662 DF	4365		12 1/2" 9" 7" 5" 3 1/2" Lnr.	50# 34# 24# - -	213 2796 4040 4238 3977/4364	200 SX 500 SX 200 SX 393 SX 50 SX	Circ.* 1335* 2831* Circ. 3977*	16"** 11 3/4"** 8 3/4"** 6 3/4"** 4 3/4"**	4266-4270 (SA)	10-32	
17M	141 Getty State A #1 660' FSL & 330' FWL	3664 DF	4260	4196	12 1/2" 7"	50# 24#	212 4056	175 SX 400 SX	Circ.* 1637*	16"** 8 3/4"**	4056-4198 (G)	3-33	
34F	221 Getty Turner #1 1980' FNL & 1680' FWL	3637 GL	4222		12 1/2" 9 5/8" 7" 5 1/2"	50# 34# 24# 15.5#	220 2780 3974 4221	200 SX 700 SX 300 SX 340 SX	Circ.* 1000 1823* Circ.	16"** 11 3/4"** 8 1/2"** 6 1/4"**	4102-4151 (SA)	9-32	
34C	211 Getty Turner #2 660' FNL & 1630' FWL	3642 GL	4213		12 1/2" 7" 5 1/2"	50# 24# 15.5#	240 4012 4211	175 SX 400 SX 340 SX	Circ.* 1593* Circ.	16"** 8 3/4"** 6 1/4"**	4168-4202 (SA)	7-34	
31C	211 Getty Fowler #1 440' FNL & 2310' FWL	3651 DF	4215	4200	12 1/2" 9 5/8" 7" 5"	50# 36# [illegible] -	266 2750 [illegible] 4210	185 SX 400 SX [illegible] SX 100 SX	Circ.* 1282* [illegible]* 3025*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4196 (SA)		
24H	422 Gulf Graham State A #1 2310' FNL & 330' FEL	3671 DF	4225		13 3/8" 9 5/8" 6 5/8"	54# 36# 24#	217 2806 4085	200 SX 600 SX 375 SX	Circ.* 1269* 1499*	16" 13 3/4" 8 1/4"	4085-4225 (SA)	9-30	
24A	412 Gulf Graham State A #2 330' FNL & 330' FEL	3673 DF	4217	4090	13 3/8" 9 5/8" 7"	54.5# 36# 24#	229 2790 3975	200 SX 600 SX 250 SX	Circ.* 1048* 2463*	17"** 12 1/4"** 8 3/4"**	3975-4062 (G) 4062-4090 (SA)	8-32	7-61 (TA)
24G	321 Gulf Graham State A #3 2310' FNL & 2310' FWL	3671 DF	4219		13 3/8" 9 5/8" 7"	54.5# 36# 24#	292 2746 3930	415 SX 350 SX 200 SX	Circ.* 1730* 2721*	17"** 12 1/4"** 8 3/4"**	3930-4056 (G) 4056-4219 (SA)		
24B	311 Gulf Graham State A #4 660' FNL & 1980' FEL	3674 DF	4290		13" 9 5/8" 6 1/4"	40# 36# 24#	281 1588 3976	225 SX 400 SX 320 SX	Circ.* 422* 2071*	16"** 12 1/4"** 8"**	4147-4290 (SA)	8-35	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date	
24H	421 Gulf Graham State A #5 1980' FNL & 760' FEL	3558 GL	6107	5120	13 3/8" 8 5/8" 5 1/2"	48# 24, 32# 15.5#	408 3903 6106	400 SX 500 SX 385 SX	Circ. 2115* 4220	17 1/2" 11" 7 7/8"	4226-4262 (G)	4-69		
24A	411 Gulf Graham State A #6 990' FNL & 990' FEL	3676 DF	4283	4283	8 5/8" 5 1/2"	24# 15.5, 17#	322 4283	210 SX 265 SX	Circ. 2440	12 1/4" 7 7/8"	4258-4260 (SA)	7-70		
37F	221 Gulf Grimes A #2 1650' FNL & 2310' FWL	3644 GL	4135		12 1/2" 9 5/8" 7"	50# 36# 24#	207 2752 3943	- - -	- - -	26"** 11 3/4"** 8 3/4"**	3943-3972 (G) 3972-4155 (SA)	8-30		
32C	211 Gulf Grimes A #7 990' FNL & 2310' FWL	3638 GL	4153		13 3/8" 9 5/8" 7"	54.5# 36# 24#	216 2755 3860	230 SX 600 SX 300 SX	Circ.* 997* 2046*	17"** 12 1/4"** 8 3/4"**	[illegible] (SA)	4-31		
32E	112 Gulf Grimes A #8 1370' FNL & 330' FWL	3642 DF	4199		15 1/2" 9 5/8" 7"	70# 36# 24#	245 2751 3954	200 350 200	Circ.* 1361* 2145*	18"** 12 1/4"** 8 3/4"**	3954-4017 (G) 4017-4199 (SA)	6-34		Casing leaks in 4-54
32D	111 Gulf Grimes A #10 660' FNL & 660' FWL	3646 GL	4250	4239	9 5/8" 7" 4 1/2"	36# 23# 11.6#	306 3120 4249	175 SX 600 SX 110 SX	Circ. 1520(TS) 3130(TS)	12 1/4" 8 3/4" 6 3/4"	4188-4213 (SA)	12-47	6-71 (Rec.)	
32E	121 Gulf Grimes A #19 1730' FNL & 330' FWL	3647 DF	6051	5685	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	342 3811 6050	300 SX 500 SX 455 SX	Circ.* 2023* 3663*	17"** 11"** 7 7/8"**	4158-4230 (SA)	5-69	2-75 (Rec.)	
32K	231 Gulf Grimes A No. 2 #3 2310' FSL & 2310' FWL	3632 GL	4230	4230	13 1/2" 9 5/8" 7" 4 1/2" Lnr.	70# 36# 24# 9.5#	207 2738 3946 3701/4194	200 SX 600 SX 300 SX 90 SX	Circ.* 996* 2132* 3701*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4109-4230 (SA)	8-30		
32M	141 Gulf Grimes A No. 2 #5 330' FSL & 330' FWL	3637 DF	4192		13 3/8" 9 5/8" 7" 5 1/2" Lnr.	- 36# 24# -	257 2797 3908 3840/4192	- - - -	- - - -	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4158-4175 (SA)	9-30		
32L	131 Gulf Grimes A No. 2 #9 2310' FSL & 330' FWL	3639 GL	4250	4250	13 3/8" 9 5/8" 7" 4 1/2" Lnr.	54# 36# 24# 9.5#	212 2760 3966 3813/4250	200 SX 350 SX 150 SX 65 SX	Circ.* 1724* 3059* 3813*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4219-4237 (SA)	9-34	11-72 (Rec.)	
32N	241 Gulf Grimes A No. 2 #15 990' FSL & 2310' FWL	3638 GL	4110	4110	13 3/8" 7"	48# 23#	328 4094	325 SX 1300 SX	Circ.* Circ.*	17"** 8 3/4"**	4094-4105 (SA)	5-49		
32K	232 Gulf Grimes A. No. 2 #20 1980' FSL & 330' FWL	3628 GL	6020	4201	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	383 3829 6019	325 SX 500 SX 500 SX	Circ.* 2041* 3685(TS)	17 1/2"** 11"** 7 7/8"**	4100-4210 (SA)	4-69	3-76 (Rec.)	
33I	431 Gulf Grimes B #1 1920' FSL & 860' FEL	3660 DF	4190	4131	13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54# 36# 24# 15.5#	231 2741 3940 3908/4190	200 SX 600 SX 225 SX 40 SX	Circ.* 999* 2519* 3908*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4086-4109 (SA)	11-31	8-71 (Rec.)	
33H	421 Gulf Grimes B #2 1980' FNL & 860' FEL	3642 DF	4166		13 3/8" 9 5/8" 6 5/8" 5 1/2"	54# 36# 24# 14#	221 2761 3959 3911/4166	175 SX 500 SX 250 SX 40 SX	Circ.* 1310* 2684* 3911*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4100-4163 (SA)	10-32		
33B	311 Gulf Grimes B #3 330' FNL & 2310' FEL	3652 GL	4221		13 3/8" 9 5/8" 7" 5 1/2"	54.5# 36# 24# -	292 2746 3930 4000	200 SX 350 SX 250 SX 75 SX	Circ.* 1730* 2618* 2667*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4086-4221 (SA)	8-34		
33A	411 Gulf Grimes B #4 660' FNL & 660' FEL	3642 GL	4175		13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54.5# 36# 24# 14# FJ	285 2739 3930 3919/4175	200 SX 350 SX 150 SX 40 SX	Circ.* 1723* 3063* 3919*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4077-4175 (SA)	11-34	5-56 (Rec.)	
21H	141 Gulf Grimes C #1 330' FSL & 330' FWL	3650 GL	4219	4182	13 3/8" 8 1/4"	54.5# 32#	270 4067	200 SX 650 SX	Circ.* 2097*	17"** 11"**	4067-4164 (G) 4164-4182 (SA)	1-35		
21N	241 Gulf Grimes C #2 1330' FSL & 1650' FWL	3646 GL	4225	4210	13" 7" 5 1/2"	48# 24# -	281 4109 4221	225 SX 1300 SX 250 SX	Circ.* Circ.* Circ.*	16"** 8 3/4"** 6 1/4"**	4176-4203 (SA)	10-35		

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Sacks of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
21L	331 Gulf Grimes C #3 1650' FSL & 330' FWL	3657 DF	4235		13" 7"	48# 24#	295 4106	250 SX 1300 SX	Circ.* Circ.*	16"** 8 3/4"**	4106-4205 (G) 4205-4235 (SA)	12-35	
18O	342 Gulf Hardin #1 330' FSL & 2310' FEL	3668 DF	4221	4052	13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54.5# 36# 24# 15.5#	228 2816 4024 3935/4221	180 SX 500 SX 250 SX 80 SX	Circ.* 1165* 2512* 3935*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4005-4052 (G)	11-32	9-67 (TA)
18P	441 Gulf Hardin #2 330' FSL & 990' FEL	3665 DF	4253		13 3/8" 8 5/8"	54.5# 32#	218 4022	200 SX 500 SX	Circ.* 2234*	17"** 11"**	4022-4110 (G) 4110-4253 (SA)	2-33	
18I	431 Gulf Hardin #3 1980' FSL & 660' FEL	3671 DF	4200		8 5/8" 5 1/2"	24# 14#	420 4199	225 SX 1600 SX	Circ.* Circ.*	11" 7 7/8"*	4094-4146 (G)	9-57	
18J	321 Gulf Hardin #4 1980' FNL & 1980' FEL	3670 DF	4170	4165	8 5/8" 4 1/2"	24# 9.5#	433 4168	350 SX 1400 SX	Circ.* Circ.*	12 1/4" 7 7/8"*	4064-4112 (G)	3-59	
18J	331 Gulf Hardin #5 1980' FSL & 1980' FEL	3575 DF	4170	4165	8 5/8" 4 1/2"	24# 9.5#	320 4170	310 SX 1027 SX	Circ. 1710	12 1/4" 7 7/8"*	4052-4107 (G)	5-59	
18N	421 Gulf Hardin #6 1880' FNL & 660' FEL	3673 DF	4177	4172	8 5/8" 4 1/2"	24# 9.5#	305 4177	300 SX 350 SX	Circ. 2799	12 1/4" 6 3/4"	4139-4168 (G)	9-59	
18B	311 Gulf Hardin #7 990' FNL & 2310' FEL	3680 DF	4200	4194	8 5/8" 4 1/2"	24# 9.5#	322 4200	200 SX 473 SX	Circ. 3317	12 1/4" 7 7/8"*	4165-4186 (G)	9-60	
18A	411 Gulf Hardin #8 990' FNL & 990' FEL	3681 DF	4270	4257	8 5/8" 4 1/2"	24# 9.5#	315 4270	175 SX 305 SX	Circ.* 2262*	12 1/2" 6 3/4"	4226-4246 (G)	5-62	
18O	341 Gulf Hardin #9 580' FSL & 2310' FEL	3672 DF	4340	4207	8 5/8" 5 1/2"	24# 14#	295 4339	275 SX 285 SX	Circ. 2525	11" 7 7/8"*	3999-4040 (G)	8-71	
36C	211 Gulf Hale (MCT-D) #1 330' FNL & 2310' FWL	3670 GL	4275		8 5/8" 5 1/2"	24# 14#	434 4275	325 SX 400 SX	Circ.* 2223*	11" 7 7/8"*	4242-4272 (G)	6-57	1-75 (TA)
34H	241 Gulf Lea Fo State #1 660' FSL & 2310' FWL	3697 DF	4300	4230	8 5/8" 5 1/2"	24# 14#	425 4299	300 SX 2000 SX	Circ.* Circ.*	11" 7 7/8"*	4148-4220 (G)	5-58	
30K	231 Marathon State 30 #1 2310' FSL & 2310' FWL	3662 DF	4209	4198	20" 9 5/8" 7" 5"	90# 40# 24# 15#	215 2750 3930 4200	75 SX 400 SX 550 SX 60 SX	67* 1589* 604* 3190	22"** 12 1/4"** 8 3/4"** 6 1/4"**	4134-4160 (G)	7-30	1-59 (Rec.)
30H	241 Marathon State 30 #2 440' FSL & 2310' FWL	3669 DF	4291	4190	12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	294 2750 3900 4167	275 SX 550 SX 275 SX 60 SX	Circ. 1156* 2237* 3456*	16"** 12 1/4"** 8 3/4"** 6 1/4"**	4167-4190 (G)	9-30	
30L	331 Marathon State 30 #3 2316' FSL & 330' FWL	3665 DF	4213	4098	12 1/2" 9 5/8" 7" 5" Lnr.	50# 40# 24# 15#	243 2751 3900 4207	225 SX 550 SX 350 SX 50 SX	Circ.* 733* 1783* 3260	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4053-4033 (G)	10-30	9-72 (Rec.)
30N	141 Marathon State 30 #9 990' FSL & 990' FWL	3663 DF	4273	4222	13 3/4" 5 1/2"	32.75# 15.5#	368 4273	200 SX 3000 SX	Circ. Circ.	13 3/4" 8 3/4"	4084-4114 (G)	10-55	
32P	441 Marathon State 32 #2 660' FSL & 660' FEL	3634 GL	4244		12 1/2" 9 5/8" 7" 5"	50# 40# 24# 15#	188 2350 3911 4234	125 SX 400 SX 250 SX 60 SX	Circ.* 1282* 2459* 3500	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4234-4244 (SA)	8-30	
32I	431 Marathon State 32 #3 330' FEL & 2310' FSL	3643 GL	4243	4233	12 1/2" 9 5/8" 7" 5"	50# 40# 24# 15#	205 2750 3968 4244	225 SX 475 SX 350 SX 65 SX	Circ.* 1007* 1851* 3378*	16"** 11 3/4"** 8 3/4"** 6 1/8"*	4190-4220 (G)	8-30	
32J	331 Marathon State 32 #4 2310' FSL & 2310' FEL	3642 GL	4247	4243	15 1/2" 9 5/8" 7" 5"	70# 40# 24# -	300 2750 3940 4247	250 SX 300 SX 350 SX 75 SX	Circ.* 915* 1823* 3358*	18"** 11 3/4"** 8 3/4"** 6 1/4"**	4185-4224 (SA)	5-30	6-75 (TA)

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Sacks of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Trmp. Abandoned Date
32O	34I Marathon State 32 #5 330' FSL & 2310' FEL	3636 GL	4236	4234	16" 9 5/8" 7" 5"	65.3# 40# 24# 15#	221 2750 3923 4235	250 SX 556 SX 235 SX 120 SX	Circ.* 1136* 2564* 2813*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4200-4230 (SA)	10-30	
34H	42I Moran Hobbs #1 2485' FNL & 1184' FEL	3630 GL	4303	4264	8 5/8" 4 1/2"	24# 11.6#	322 4303	250 SX 500 SX	Circ. 2620(TS)	12 1/4" 7 7/8"	4236-4250 (G)	1-62	
17E	12I Moran State T 17 #1 2310' FNL & 330' FWL	3670 DF	4236	4234	8 5/8" 4 1/2"	24# 11.6#	256 4236	200 SX 544 SX	Circ.* 2065*	12 1/4" 7 7/8"	4182-4216 (G)	12-61	
21E	32I G&C Shipp A #1 1650' FNL & 990' FWL	3691 DF	4308	4268	8 5/8" 5 1/2"	24# 14#	321 4248	175 SX 425 SX	Circ. 2110	11 1/4" 7 7/8"	4065-4308 (G)	12-59	
37O	11I Sun Fowler #1 440' FNL & 330' FEL	3651 DF	4224		- - 7"	- - 24#	- - 3966	- - 425 SX	- - 1396*	- - 8 3/4"**	3864-4152 (G) 4132-4224 (SA)	10-30	
31E	12I Sun Fowler #4 1980' FNL & 990' FWL	3655 DF	4189		9 5/8" 7"	36# 23#	1620 4075	800 SX 400 SX	Circ. 2608	12 1/4" 8 3/4"	4075-4189 (G)	4-69	
28G	32I Samedan Moon A #1 2310' FNL & 2310' FEL	3647 DF	4200	4200	12 1/2" 7"	50# 24#	2591 4000	150 SX 500 SX	2323* 976*	16"** 8 3/4"**	4000-4126 (G) 4126-4200 (SA)	2-35	
28B	31I Samedan Moon A #2 1315' FNL & 330' FWL	3650 DF	4217	4217	12 1/2" 7"	50# 22#	235 4103	150 500 SX	Circ.* 1019*	16"** 8 3/4"**	4103-4162 (G) 4162-4217 (SA)	7-35	
28A	42I Samedan Moon B #1 2310' FNL & 1120' FEL	3648 GL	4216	4216	12 1/2" 7"	50# 22#	235 4020	150 SX 500 SX	Circ.* 996*	16"** 8 3/4"**	4020-4140 (G) 4140-4215 (SA)	5-35	
28A	41I Samedan Moon B #2 330' FNL & 1120' FEL	3645 GL	4225	4225	12 1/2" 7"	50# 22#	227 4133	160 SX 750 SX	Circ.* Circ.*	16"** 8 3/4"**	4133-4175 (G) 4175-4225 (SA)	4-36	
25F	22I Samedan State B #1 1980' FNL & 2310' FWL		4343	4153	12 1/2" 7"	50# 22#	205 4039	175 SX 500 SX	Circ.* 1015*	16"** 8 3/4"**	4039-4153 (G)	11-37	
25E	12I Samedan State B #2 1650' FNL & 990' FWL	3667	4261		8 5/8" 5 1/2"	24# 14#	287 4260	250 SX 250 SX	Circ. 2930	12 1/4" 7 7/8"	4140-4236 (G)	1-58	
24N	24I Samedan State C #1 330' FSL & 2310' FWL	3675 DF	4188		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 13#	215 2840 3930 3865/4188	150 SX 175 SX 150 SX 39 SX	Circ.* 2198* 3023* 3865*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4155-4165 (SA)	3-34	
24K	23I Samedan State C #2 1980' FSL & 1980' FWL	3679 DF	4171		12 1/2 9 5/8" 7" 5" Lnr.	50# 36# 24# 13#	199 2823 3966 3917/4171	150 SX 200 SX 150 SX 50 SX	Circ.* 2089* 3059* 3917*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4140-4150 (SA)	6-34	
24L	13I Samedan State C #3 2310' FSL & 1315' FWL	3679 DF	4200		12 1/2" 7" 5" Lnr.	50# 22# 13#	219 4002 3942/4200	150 SX 500 SX 40 SX	Circ.* 220* 3942*	17 1/2" 8 5/8" 6 1/4"**	4135-4145 (SA)	6-35	
24M	14I Samedan State C #4 330' FSL & 1315' FWL	3674 DF	4218		12 1/2" 7" 5" Lnr.	50# 22# 13#	211 4033 3962/4218	175 SX 800 SX 36 SX	Circ.* Circ.* 3962*	16"** 8 3/4"** 6 1/4"**	4120-4200 (SA)	10-35	
34J	33I Samedan Turner A #1 1980' FSL & 2310' FEL	3630 GL	4215		12 1/2" 7" 5"	30# 22# 13#	254 4055 4214	200 SX 500 SX 370 SX	Circ.* 1031* Circ.*	16"** 8 3/4"** 6 1/4"**	4136-4144 (SA) 4176-92&4198-4202 below pkr.; not productive	3-35	
34O	34I Samedan Turner A #2 1320' FSL & 2310' FEL	3620 GL	4204		12 1/2" 7" 5"	50# 22# 13#	254 4066 4194	150 SX 500 SX 370 SX	Circ.* 1042* Circ.*	16"** 8 3/4"** 6 1/4"**	4136-4141 (SA)	5-35	
34I	43I Samedan Turner B #1 1640' FSL & 1190' FEL	3630 GL	4241		12 1/2" 7"	45# 22#	200 4063	200 SX 800 SX	Circ.* 1008*	17 1/2" 9 5/8"	4063-4214 (G) 4214-4241 (SA)	3-38	
34P	44I Samedan Turner B #2 400' FSL & 1190' FEL	3620 GL	4233		9 5/8" 5 1/2"	36# 14#	190 4150	102 SX 350 SX	Circ.* 2890*	12" 8 3/4"	4150-4206 (G) 4206-4233 (SA)	6-44	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
31P	441 Shell Berry #1 330' FSL & 330' FEL	3635 GL	4220	4211	12 1/2" 9" 6 5/8" 5" Lnr.	50# 36# 28# 11.5#	242 2800 3935 3930/4219	200 SX 600 SX 200 SX 100 SX	Circ.* 1041* 2596* 3930*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	4122-4211 (SA)	9-30	8-46 (Rec.)
31J	331 Shell Berry #2 2200' FSL & 2310' FEL	3642 GL	4210	4207	12 1/2" 9 5/8" 7"	50# 36# 24#	238 2800 3941	200 SX 600 SX 225 SX	Circ.* 598* 2580*	16"** 11 3/4"** 8 3/4"**	3941-4100 (G) 4100-4107 (SA)	11-30	
31I	431 Shell Berry #3 2970' FNL & 330' FEL	3641 GL	4225		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	253 2766 3962 3823/4226	150 SX 350 SX 250 SX 100 SX	98* 2216* 2450* 3921*	18" 11 3/4"** 8 3/4"** 6 1/4"**	4159-4216 (SA)	7-34	
31O	341 Shell Berry #4 1315' FSL & 1325' FEL	3640 GL	4229	4226	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	251 1526 3980 3880/4229	150 SX 200 SX 250 SX 100 SX	53* 792* 2468* 4229*	17" 11 3/4"** 8 3/4"** 6 1/4"**	4151-4224 (SA)	8-46	
28M	141 Shell Grimes #1 330' FSL & 330' FWL	3649 GL	4239		12 1/2" 9 5/8" 7" 5"	50# 36# 24# 15#	234 2750 3960 4228	200 SX 600 SX 225 SX 125 SX	Circ.* 548* 2599* 2746*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4125-4225 (SA)	9-30	
28L	131 Shell Grimes #2 2310' FSL & 330' FWL	3649 GL	4234	4232	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	238 2751 3973 3932/4233	200 SX 600 SX 225 SX 100 SX	Circ.* 549* 3612* 3932*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4190-4230 (SA)	9-30	1-46 (Rec.)
28K	231 Shell Grimes #3 1325' FSL & 1325' FWL	3651 GL	4231	4228	15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# 15.5#	246 2750 3955 3918/4230	150 SX 150 SX 250 SX 100 SX	Circ.* 2315 2443* 3918*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4150-4223 (SA)	11-33	
28N	241 Shell Grimes #4 330' FSL & 2310' FWL	3646 GL	4230	4225	12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	256 2770 3935 4229	150 SX 150 SX 250 SX 100 SX	Circ.* 2220* 2423* 2338*	16" 11 3/4"** 8 3/4"** 6 1/4"**	4004-4010 (SA)	9-35	
28L	132 Shell Grimes #10 1880' FSL & 750' FWL	3658 DF	7150	5810	13 3/4" 9 5/8" 7" Lnr.	48# 36# 23#	352 3816 3611/7143	200 SX 1400 SX 685 SX	Circ. Circ.* 3611	17 1/2" 12 1/4" 8 3/4"	4210-4264 (SA)	10-69	
19N	141 Shell McKinley A #1 330' FSL & 330' FWL	3663 DF	4248	4244	12 1/2" 9" 7" 5 1/2" Lnr.	50# 34# 24# 15.5#	218 2783 3880 3810/4247	300 SX 500 SX 500 SX 100 SX	Circ.* 1323* 856* 3810*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4144-4240 (SA)	6-30	
19O	341 Shell McKinley A #2 2310' FEL & 330' FSL	3658 DF	4246		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	236 2750 3915 3937/4245	200 SX 600 SX 225 SX 100 SX	Circ.* 548* 2614* 3937*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4183-4218 (SA)	7-30	
19B	441 Shell McKinley A #3 330' FSL & 330' FEL	3651 DF	4242	4240	13 1/2" 9" 6 5/8" 5" Lnr.	70# 34, 40# 24# 13#	221 2775 3982 3949/4241	200 SX 600 SX 200 SX 100 SX	Circ.* 1022* 2603* 3949*	18"** 11 3/4"** 8 1/4"** 6 1/4"**	4185-4236 (SA)	12-32	9-46 (Rec.)
19N	241 Shell McKinley A #4 330' FSL & 2310' FWL	3661 DF	4247	4244	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	246 2750 3915 3936/4246	200 SX 600 SX 225 SX 100 SX	Circ.* 548* 2614* 3934*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4144-4230 (SA)	9-30	
19J	331 Shell McKinley A #5 2310' FSL & 2310' FEL	3661 DF	4256	4250	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	252 2750 3925 3923/4255	300 SX 600 SX 225 SX 23 SX	Circ.* 548* 2614* 3923*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4140-4220 (SA)	9-30	
19K	231 Shell McKinley A #6 2310' FSL & 2310' FWL	3663 DF	4247	4244	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	239 2750 3925 3931/4246	200 SX 600 SX 255 SX 100 SX	Circ.* 548* 2704* 3931*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4130-4235 (SA)	9-30	
19L	131 Shell McKinley A #7 2310' FSL & 330' FWL	3657 DF	4242		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	260 2774 3980 4247	300 SX 600 SX 225 SX 150 SX	Circ.* 572* 2619* 1410*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4106-4242 (SA)	9-30	
19I	431 Shell McKinley A #10 1650' FSL & 990' FEL	3663 DF	4286	4251	7 5/8" 4 1/2"	26.4# 10.5#	217 4285	200 SX 435 SX	Circ. Circ.	12 1/4" 6 1/4"	4197-4238 (SA)	7-68	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Sxs. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
19N	242 Shell McKinley A #11 420' FSL & 1980' FWL	3666 DF	7105	4334	13 3/8" 9 5/8" 5 1/2" Lnr.	48# 36# 15.5#	360 3194 3537/7103	360 SX 500 SX 950 SX	Circ. Circ. 1684*	17 1/2" 12 1/4 8 3/4"	4192-4197 (SA)	5-70	
20K	231 Shell McKinley B #1 2310' FSL & 1320' FWL	3657 DF	4210	4124	12 1/2" 9 5/8" 7"	50# 36# 24#	242 2810 4025	200 SX 600 SX 200 SX	Circ.* 608* 2816*	16"** 11 3/4"** 8 3/4"**	4035-4157 (G) 4157-4210 (SA)	10-30	3-65 (TA)
20M	241 Shell McKinley B #2 330' FSL & 2310' FWL	3652 GL	4330	4283	12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	241 2855 3985 3805/4327	200 SX 600 SX 225 SX 100 SX	Circ.* 653* 2626* 3805*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4237-4266 (SA)	10-30	4-73 (Rec.)
20N	141 Shell McKinley B #3 330' FSL & 330' FWL	3657 DF	4252		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	223 2797 3980 3929/4228	200 SX 600 SX 200 SX 44 SX	Circ.* 595* 2771* 3929*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4210-4252 (SA)	11-32	
20K	232 Shell McKinley B #4 1325' FSL & 1325' FWL	3656 DF	4330	4280	13 3/8" 9 5/8" 7" 5" Lnr.	48# 36# 24# 15#	249 1615 4059 3853/4329	150 SX 75 SX 250 SX 55 SX	Circ.* 1397* 2577* 3853*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4230-4252 (SA)	7-33	
20L	131 Shell McKinley B #5 1650' FSL & 330' FWL	3645 DF	4276	4269	8 5/8" 5 1/2"	24# 15.5#	292 4266	300 SX 600 SX	Circ. 4226	12 1/4" 7 7/8"	4227-4254 (SA)	7-69	
13P	441 Shell Rice #1 330' FSL & 330' FEL	3673 DF	4258	4253	12 1/2" 9" 7" 5 1/2" Lnr.	50# 34# 24# 15.5#	228 2786 3920 3844/4257	200 SX 600 SX 250 SX 100 SX	Circ. 1199* 1473* 3942	18" 12" 8 1/8" 6 1/4"	4000-4046 (G) 4207-4243 (SA)	9-32	
13O	341 Shell Rice #2 660' FSL & 1980' FEL	3678 DF	4263	4259	12 1/2" 9 5/8" 7" 5" Lnr.	40# 36# 24# 15#	245 1612 3960 3745/4262	150 SX 200 SX 275 SX 110 SX	Circ.* 878* 2297* 3745*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4195-4247 (SA)	12-56	
13I	431 Shell Rice #3 1650' FSL & 990' FEL	3676 DF	4300	4282	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	264 1591 3960 3867/4299	220 SX 630 SX 160 SX 100 SX	Circ.* Circ.* 2992* 3867*	16" 12" 8 3/4" 6 1/4"	4223-4271 (SA)	12-35	
13J	331 Shell Rice #4 1980' FSL & 1980' FEL	3679 DF	4243	4090	8 5/8" 5 1/2"	32# 15.5#	318 4243	300 SX 1100 SX	Circ. Circ.*	12 1/4" 7 7/8"	3948-4084 (G)	7-57	
27M	241 Shell Sanger #1 287' FWL & 330' FSL	3644 GL	4229		12 1/2" 9 5/8" 7"	50# 36# 24#	275 1648 4060	250 SX 363 SX 250 SX	Circ.* 316* 2548*	16"** 11 3/4"** 8 3/4"**	4110-4185 (SA)	10-34	
27N	241 Shell Sanger #2 330' FSL & 1325' FWL	3643 GL	4228		12 1/2" 9 5/8" 7"	50# 44# 24#	230 1648 4060	750 SX 350 SX 250 SX	Circ.* 364* 2548*	17 1/2" 11 3/4"** 8 3/4"**	4060-4150 (G) 4150-4228 (SA)	2-35	
27L	131 Shell Sanger #3 1650' FSL & 412' FWL	3638 GL	4223		12 1/2" 9 5/8" 7"	50# 40.6# 28#	259 1645 4075	150 SX 200 SX 250 SX	31* 911* 2563*	16 1/2" 11 3/4"** 8 3/4"**	4075-4133 (G) 4133-4223 (SA)	6-35	
27E	121 Shell Sanger #4 2645' FSL & 412' FWL	3636 GL	4221		12 1/2" 9 5/8" 7"	50# 36# 24#	270 1705 4108	150 SX 525 SX 275 SX	Circ. Circ.* 2445*	17 1/2" 11 3/4"** 8 3/4"**	4108-4187 (G) 4187-4221 (SA)	6-36	
27K	231 Shell Sanger #5 1350' FSL & 1350' FWL	3639 GL	4230		13" 9 5/8" 7"	48# 36# 24#	422 1718 4093	150 SX 450 SX 250 SX	92* 412* 2581*	17 1/2" 12 1/4" 8 3/4"	4093-4209 (G) 4209-4239 (SA)	7-37	
27D	111 Shell Sanger #6 1200' FWL & 470' FWL	3641 GL	4360		8 5/8" 5 1/2"	24# 15.5#	347 4222	275 SX 450 SX	Circ. 1861*	12 1/4" 7 7/8"	4222-4260 (G) 4260-4360 (SA)	2-70	
32G	321 Shell State A #2 1650' FNL & 2310' FEL	3628 GL	4185	3048	12 1/2" 9" 6 5/8"	50# 32# 24#	230 2239 3950	Unknown Unknown Unknown	- - -	16"** 11 3/4"** 8 1/4"**	3950-3955 (G) 3955-4185 (SA)	8-30	
32H	421 Shell State A #3 2310' FNL & 330' FEL	3636 GL	4216	4210	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	245 2755 3950 3916/4215	200 SX 600 SX 225 SX 135 SX	Circ.* 553* 2589* 3916*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4212-4218 (SA)	8-30	12-65 (Rec.)

M. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
32G	322 Shell State A #4 2310' FNL & 2310' FEL	3637 GL	4351	4187	13 3/8" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	240 2750 3960 3911/4213	200 SX 600 SX 225 SX 94 SX	Circ.* 548* 2599* 3911*	16" 11 3/4"** 8 3/4"** 6 1/4"**	4064-4078 (SA)	9-30	12-65 (Rec.)
33D	111 Shell State B #1 330' FNL & 330' FWL	3651 GL	4236	4230	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	240 2750 3968 3923/4236	200 SX 600 SX 225 SX 90 SX	Circ.* 548* 2607* 3923*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4201 (SA)	9-30	
33C	211 Shell State B #2 330' FNL & 2310' FWL	3647 GL	4227	4225	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	296 2740 3930 3897/4226	150 SX 150 SX 250 SX 100 SX	78* 2210* 2418* 3888*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4121-4222 (SA)	6-34	
24F	221 Shell State D #1 2310' FNL & 2310' FWL	3673 DF	4260	4221	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	225 2802 4030 3953/4259	150 SX 150 SX 250 SX 100 SX	Circ.* 2252* 2518* 3953*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4123-4220 (SA)	10-34	
24C	211 Shell State D #2 660' FNL & 1980' FWL	3675 DF	4260		12 3/4" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	233 1599 4010 3952/4260	150 SX 200 SX 250 SX 100 SX	Circ.* 2459* 2498* 3952*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4059-4101 (SA) 4101	3-35	
29G	321 Shell State F #2 1650' FNL & 1650' FEL	3688 DF	4265	4162	8 5/8" 5 1/2"	32# 15.5#	309 4265	300 SX 1355 SX	Circ. Circ.	12 1/4" 7 7/8"**	4106-4158 (G)	7-57	
23B	311 Shell State F #3 330' FNL & 2650' FEL	3686 DF	4126	4124	8 5/8" 5 1/2"	32# 15.5#	300 4126	300 SX 730 SX	Circ.* 296*	11"** 7 7/8"**	3932-4119 (G)	8-57	
34G	321 Shell Turner #1 330' FSL & 330' FWL	3635 GL	4220		12 1/2" 8 5/8" 6 5/8"	50# 32# 24#	276 1677 4065	150 SX 250 SX 250 SX	Circ.* 783* 2341*	16" 11"** 8 1/4"**	4065-4160 (G) 4140-4220 (SA)	6-35	
34B	311 Shell Turner #2 1605' FSL & 330' FWL	3641 GL	4241		12 1/2" 8 5/8" 7"	50# 36# 24#	282 1700 4134	150 SX 625 SX 300 SX	Circ.* Circ.* 2320*	16" 11 3/4"** 8 3/4"**	4134-4241 (SA)	9-35	
20J	331 Bill Sweet Bowers B #2A 1650' FSL & 2010' FEL	3654 GL	4202		8 5/8" 5 1/2"	40# 15.5#	252 4170	150 SX 600 SX	Circ. 982*	11"** 7 7/8"**	4198-4202 (SA)	3-54	
20I	431 C. M. Sweet Grimes #1A 1650' FSL & 660' FEL	3644	4253	4246	8 5/8" 5 1/2"	15.5# 17#	305 4252	150 SX 300 SX	Circ. 986*	11" 6 3/4"	4207-4215 (SA)	6-52	8-75 (TA)
20I	432 C. M. Sweet Grimes #3A 1850' FSL & 990' FEL	3655 GL	4210	4206	10 3/4" 7"	40# 23#	247 4050	150 SX 600 SX	Circ. 2673	15" 9 5/8"	4050-4210 (G)	1-54	1-75 (TA)
20H	421 C. M. Sweet McKinley B #2 2310' FNL & 990' FEL	3654 GL	4414		8 5/8" 5 1/2"	28# 15.5#	302 4218	150 SX 200 SX	Circ. 2952	11" 6 3/4"	4252-4256 (SA)	5-52	
23A	411 C. M. Sweet State F #1A 330' FNL & 330' FEL	3686 DF	4115	4073	8 5/8" 5 1/2"	23.7# 15.5#	334 3915	125 SX 75 SX	Circ. 3406	11" 6 3/4"	3915-4013 (G)	6-51	8-63 (TA)
23H	421 C. M. Sweet State F #2A 1650' FNL & 330' FEL	3685 DF	4158		8 5/8" 5 1/2"	23.7# 15.5#	334 3993	125 SX 175 SX	Circ.* 2361*	11" 6 3/4"	4000-4145 (G) 4145-4158 (SA)	7-51	
23I	431 C. M. Sweet State F #3 2310' FSL & 330' FEL	3681 DF	4191		8 5/8" 5 1/2"	24.7# 15.5#	252 3993	125 SX 300 SX	Circ. 1922*	12" 7 3/8"	3993-4152 (G) 4152-4191 (SA)	1-53	
20A	412 C. M. Sweet State F #4 990' FNL & 660' FEL	3682 DF	4204		8 5/8" 5 1/2"	-	246 3990	125 SX 250 SX	Circ.* 2678*	11"** 7 7/8"**	3990-4142 (G) 4142-4204 (SA)	8-55	
25A	411 Texaco New Mexico St. C #1 330' FNL & 330' FEL	3570 DF	4259	4250	12 1/2" 8 1/4" 6 1/4" 4 1/2" Lnr.	50# 32# 26# 12.6#	220 2750 3969 3869/4257	200 SX 600 SX 200 SX 50 SX	Circ.* 1362* 2463* 4188	16"** 11 3/4"** 7 5/8"** 5 3/4"	4180-4223 (SA)	C-30	
25B	421 Texaco New Mexico St. C #2 2310' FNL & 330' FEL	3671 DF	4210	4026	12 1/2" 9" 7"	50# 36# 24#	220 2763 3932	175 SX 600 SX 200 SX	Circ.* 1010* 2498*	16"** 11 3/4"** 8 1/2"**	3932-4074 (G)	9-30	
25C	321 Texaco New Mexico St. C #3 1980' FNL & 1980' FEL	3670 DF	4268		12 1/2" 9" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	222 2750 3937 3803/4267	200 SX 600 SX 200 SX 75 SX	Circ.* 997* 2503* 3803*	16"** 11 3/4"** 8 1/2"** 6 1/4"**	3985-4086 (G)		

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
25A	311 Texaco New Mexico St. C #4 330' FNL & 1980' FEL	3672 DF	4232	4122	12 1/2" 9" 7"	50# 34# 24#	320 2154 3932	200 SX 600 SX 200 SX	Circ.* 1001* 2183*	16"** 11 3/4"** 8 1/4"**	3932-4076 (G)	3-33	
24P	441 Texas Pac. State G #1 330' FSL & 330' FEL	3668 DF	4214		20" 12" 9" 7"	90# 50# 34# 24#	105 1521 2815 3880	125 SX 300 SX 700 SX 200 SX	Circ.* Circ. 770* 2131*	22"** 15 1/2"** 11 3/4"** 8 1/4"**	3885-4048 (G) 4048-4214 (SA)	7-30	
24I	431 Texas Pac. State G #2 990' FSL & 330' FEL	3670 DF	4218		12 1/2" 9" 7"	50# 34# 24#	221 2182 3951	180 SX 510 SX 250 SX	Circ.* 1292* 2439*	15 1/2"** 11 3/4"** 8 3/4"**	3750-4045 (G) 4045-4218 (SA)	11-30	
24J	331 Texas Pac. State G #3 1320' FSL & 1325' FEL	3670 DF	4227		12 1/2" 9" 7"	50# 34# 24#	215 2810 3878	200 SX 400 SX 300 SX	Circ.* 1342* 2064*	16"** 11 3/4"** 8 3/4"**	3878-4060 (G) 4060-4227 (SA)	6-32	
24O	341 Texas Pac. State G #4 330' FSL & 990' FEL	3669 DF	4225		12 1/2" 9" 7"	50# 34# 24#	208 2810 3896	200 SX 400 SX 300 SX	Circ.* 1642* 2082*	16"** 11 3/4"** 8 3/4"**	3986-4042 (G) 4092-4213 (SA)	5-33	
14I	431 Texas Pac. State V #1 1650' FSL & 330' FEL	3690 DF	4162	4159	8 5/8" 5 1/2"	28# 14#	314 4162	300 SX 300 SX	Circ. 2558	12 1/4" 7 7/8"	4012-4134 (G)	1-58	
14J	331 Texas Pac. State V #2 1650' FSL & 1650' FEL	3691 DF	4325		8 5/8" 5 1/2"	28# 15#	328 4324	325 SX 300 SX	Circ.* 2750*	12 1/4" 7 7/8"	4108-4246 (G)	3-58	
23C	211 Texas Pac. State V #3 330' FNL & 2310' FWL	3689 DF	4296	4286	8 5/8" 5 1/2"	28# 14#	320 4296	325 SX 300 SX	Circ. 2905	12 1/4" 7 7/8"	4032-4212 (G)	2-59	
23F	221 Texas Pac. State V #4 1650' FNL & 2310' FWL	3689 DF	4306		8 5/8" 5 1/2"	28# 14#	332 4314	450 SX 300 SX	Circ.* 2740	12 1/4" 7 7/8"	4092-4236 (G)	3-59	
23K	231 Texas Pac. State V #5 2310' FSL & 2310' FWL	3690 DF	4330	4300	8 5/8" 5 1/2"	24# 15.5#	310 4330	350 SX 300 SX	Circ. 2630	12" 7 7/8"	4146-4256 (G)	6-59	
23M	241 Texas Pac. State V #6 990' FSL & 2319' FWL	3686 DF	4390	4380	8 5/8" 5 1/2"	24# 15.5#	319 4389	350 SX 300 SX	Circ.* 2815*	11" 7 7/8"	4119-4162 (G)	8-59	
21O	341 Miser Morris A #1 330' FSL & 2310' FEL	3649 DF	4238		12 1/2" 7" 4 1/2"	50# 24# 9.5#	252 4066 4002	200 SX 468 SX 400 SX	Circ.* 1236* Circ.	16" 8 3/4" 6 1/4"**	4066-4202 (G) 4202-4238 (SA)	3-36	
21P	441 Miser Morris B #1 330' FSL & 1090' FEL	3647 DF	4244		10 3/4" 7" 4 1/2"	36# 24# 9.5#	2259 4097 4072	175 SX 400 SX 400 SX	Circ.* 2016* Circ.	13 1/2"** 9"** 6 1/4"**	4080-4218 (G) 4218-4244 (SA)	11-37	
26A	311 Miser State L #1 330' FNL & 1900' FEL	3685 DF	4329	4310	8 5/8" 4 1/2"	24# 11.6#	353 4329	225 SX 425 SX	Circ. 2770	12 1/4" 7 7/8"	4220-4284 (G)	10-75	
23P	441 Yates Shell State #1 330' FEL & 990' FSL	3681 DF	4225		8 5/8" 5 1/2"	24# 15.5#	311 4225	160 SX 1300 SX	Circ.* Circ.*	11"** 7 7/8"**	4124-4168 (G) 4204-4224 (SA)	1-56	
23J	331 Yates Shell State #2 1650' FSL & 2310' FEL	3687 DF	4283	4210	8 5/8" 5 1/2"	24# 14#	341 4283	180 SX 1300 SX	Circ.* Circ.*	11"** 7 7/8"**	4148-4196 (G) 4226-4258 (SA)	4-56	
23O	341 Yates Shell State #3 1650' FEL & 990' FSL	3683	4302		8 5/8" 5 1/2"	-- --	352 4302	180 SX 750 SX	Circ. 367*	12 1/2" 7 7/8"	4144-4228 (G)	5-56	
15P	441 Yates (Penrose) State #1 660' FSL & 660' FEL	3690	4150	4132	8 5/8" 4 1/2"	24# 40#	350 4149	975 SX 350 SX	Circ. 2790	12 1/4" 7 7/8"	4030-4126 (G)	5-55	

2U 00094.00

NORTH HOBBS (GRAYBURG – SAN ANDRES) UNIT

Lea County, New Mexico

R 37 E | R 38 E

0' 1000' 2000'

LEGEND

- WELLS COMPLETED IN UNITIZED FORMATION
- UNIT BOUNDARY
- (57) TRACT NUMBER

TEXAS NEW MEXICO BR

T 18 S

T 19 S

R 38 E

ESSURE MAINTENANCE PROJECT
EXHIBIT "1" - Page 2

OUTSIDE WELLS LOCATED WITHIN ONE-HALF MILE OF THE PROPOSED NORTH HOBBS UNIT BOUNDARY

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
34D	#1 660' FNL & 660' FWL	3641' DF	4246		16"	70#	224	100 SX	Circ.*	18"**	4080-4220 (G-SA)
					10 3/4"	45.5#	1647	350 SX	555*	13"**	4221-4246 (G-SA Open Hole)
					7"	24#	3976	150 SX	Circ.	8 7/8"**	
					5" Lnr.	18#	3872/4221	50 SX	3872	6 1/4"**	
34E	#2 660' FWL & 1980' FNL	3641' DF	4220		16"	70#	232	100 SX	Circ.*	18"**	4050-4218 (G-SA)
					10 3/4"	45.5#	2776	400 SX	1528*	13"**	
					8 5/8"	36#	3975	150 SX	Circ.	9 5/8"**	
					5 1/2" Lnr.	14#	3919/4220	188 SX	3919*	7 7/8"**	
					5 1/2"		Surf/3919				
34L	#3 1980' FSL & 560' FWL	3629' DF	4240		16"	70#	216	125 SX	Circ.*	18"**	4078-94 (G-SA)
					10 3/4"	45.5#	2748	400 SX	1500*	13"**	4220-40 (G-SA)
					8 5/8"	36#	3962	150 SX	Circ.	9 5/8"**	
					5 1/2" Lnr.	14#	3927/4222	75 SX	3927	7 7/8"**	
					5 1/2"		Surf/3927				
34K	#4 2004' FSL & 1740' FWL	3626' DF	4232		16"	70#	226	75 SX	42*	18"**	4045-4206 (G-SA)
					10 3/4"	40#	1637	75 SX	1403*	13"**	4211-4232 (G-SA Open Hole)
					8 5/8"	36#	3990	250 SX	1707*	9 5/8"**	
					5 1/2"	14#	4211	800 SX	740	7 3/8"	
33P	#5 660' FSL & 660' FEL	3631' DF	4241		16"	70#	209	125 SX	Circ.*	18"**	4063-4208 (G-SA)
					10 3/4"	45.5#	2752	400 SX	1504*	13"**	4220-4241 (G-SA Open Hole)
					8 5/8"	36#	3946	140 SX	1750	9 5/8"**	
					5 1/2"	14#	4220	300 SX	2543*	7 3/4"**	
34M	#6 653' FSL & 633 FWL	3622' GL	4241		16"	70#	196	75 SX	12*	18"**	4065-4207 (G-SA)
					10 3/4"	45.5#	2541	500 SX	981*	13"	4207-4241 (G-SA Open Hole)
					8 5/8"	36#	3985	250 SX	Circ.	9 5/8"	
					5 1/2" Lnr.	14#	3884/4207	750 SX	Circ.	7 7/8"**	
					5 1/2"		Surf/3884				

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
34N	#7	3613' DF	4218		16"	70#	200	75 SX	16*	18"**	4106-4190 (G-SA)
	1980' FWL & 660' FSL				10 3/4"	40#	1622	75 SX	1260*	12 1/4"	4199-4218 (G-SA Open Hole)
					8 5/8"	36#	3990	150 SX	Circ.	9 7/8"	
					5 1/2"	14#	4199	700 SX	729	7 7/8"**	
6D	#8	3643' GL	4272	4240	8 5/8"	22.7#	322	250 SX	Circ.	11"	4154-4220 (G-SA)
	330' FNL & 933' FWL				5 1/2"	14#	4272	650 SX	861*	7 7/8"	
6C	#9	3642' DF	4221	4191	15 1/2"	70#	200	175 SX	Circ.*	18"**	4062-4172 (G-SA)
	330' FNL & 2310' FWL				10 3/4"	40.5#	2777	400 SX	1777*	13 1/2"**	
					7"	24#	3926	250 SX	2414*	8 3/4"**	
					5" Lnr.	15#	3802/4221	100 SX	3802	6 1/4"**	
6B	#10	3638' DF	4108		13 3/8"	36#	362	300 SX	Circ.*	17 1/2"	3980-4074 (G-SA)
	480' FNL & 1650' FEL				5 1/2"	15.5#	4095	1250 SX	Circ.*	7 7/8"	4095-4108 (G-SA Open Hole)
6A	#11	3628' DF	4232		12 1/4"	-	214	75 SX	94*	16"**	4127-4214 (G-SA)
	330' FNL & 330' FEL				9 5/8"	-	2810	500 SX	975*	11 3/4"**	
					7"	24#	3968	300 SX	1999*	8 5/8"**	
					4 1/2" Lnr.	9.5#	3795/4232	80 SX	3795	6 1/4"**	
5D	#12	3629'DF	4201		16"	70#	185	75 SX	Circ.*	18"**	3974-4201 (G-SA Open Hole)
	330' FNL & 330' FWL				10 3/4"	45#	2782	350 SX	1907*	13 1/2"**	
					6 5/8"	26#	3974	150 SX	3209*	8 3/4"**	
					7"	20#	1700				
5C	#13	3628' DF	4230		16"	70#	162	55 SX	27*	18"**	4058-4173 (G-SA)
	330' FNL & 2360' FWL				10 3/4"	45.5#	2749	300 SX	1999*	13 1/2"**	4190-4230 (G-SA Open Hole)
					6 5/8"	26#	3920	150 SX	Circ.	8 3/4"**	
					5"	15#	4190	750 SX	Circ.*	6 1/4"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
5B	#14 2317' FEL & 334' FNL	3626' DF	4175	4172	13" 9 5/8" 7" 5 1/2"	50# 36# 26# 15.5#	201 2761 3930 4175	150 SX 500 SX 230 SX 50 SX	40* 1310* Circ. 2900	18" 12 1/4" 8 7/8" 6 1/4"	4100-4165 (G-SA)
5A	#15 660' FNL & 660' FEL	3628' DF	4225		13 3/8" 9 5/8" 7" 5 1/2"	50# 36# 26# 15.5#	192 2746 3984 4175	150 SX 500 SX 225 SX 50 SX	Circ.* 1295* 2724* 3700	18" 12 1/4"** 8 7/8"** 6 1/2"**	4030-4175 (G-SA) 4175-4225 (G-SA Open Hole)
4D	#16 660' FNL & 660' FWL	3626' DF	4225		16" 9 5/8" 6 5/8" 5" Lnr.	70# 40# 26# 18#	251 2798 3976 3886/4198	135 SX 700 SX 200 SX 75 SX	Circ.* 766* Circ. 3886*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4198-4225 (G-SA Open Hole)
4C	#17 660' FNL & 1980' FWL	3629' DF	4231		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 45.5# 36# 17#	201 2754 3976 3900/4212 Surf/3900	125 SX 400 SX 150 SX 75 SX	46* 1754* 2895* 3900*	19 3/4" 13 1/2"** 9 7/8"** 7 3/8"**	4212-4231 (G-SA Open Hole)
4B	#18 660' FNL & 1980' FEL	3626' DF	4231		16" 10 3/4" 8 5/8" 5 1/2" Lnr.	70# 45.5# 36# 14#	207 2740 3950 3882/4215	125 SX 400 SX 135 SX 82 SX	Circ.* 1740* 2977* 3882*	18"** 13 1/2"** 9 7/8"** 7 7/8"	4068-4200 (G-SA) 4215-4231 (G-SA Open Hole)
4A	#19 660' FNL & 660' FEL	3623' DF	4233		16" 10 3/4" 8 5/8" 5 1/2" Lnr.	70# 45.5# 36# 14#	211 2752 3952 2645/4200	125 SX 400 SX 150 SX 300 SX	Circ.* 1752* 2871* 2645*	18"** 13 1/2"** 9 7/8"** 7 3/8"	4064-4170 (G-SA) 4200-4233 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
3D	#20 660' FNL & 660' FWL	3621' DF	4230		16"	70#	203	125 SX	Circ.*	18"**	4070-4204 (G-SA)
					10 3/4"	45.5#	2792	400 SX	1792*	13 1/2"**	4204-4230 (G-SA Open Hole)
					8 5/8"	36#	3964	150 SX	2883*	9 7/8"**	
					5 1/2" Lnr.	15.5#	3902/4204	75 SX	3902*	7 7/8"**	
					5 1/2"		Surf/3902				
3C	#21 663' FNL & 1935' FWL	3620' DF	4283	4281	8 5/8"	24#	303	250 SX	Circ.*	12 1/4"	4023-4280 (G-SA)
					5 1/2"	15.5#	4283	675 SX	741*	7 7/8"	
3C	#22 660' FNL & 1980' FWL	3615' DF	4198		16"	70#	207	75 SX	23*	18"**	4176-4186 (G-SA)
					10 3/4"	40#	1630	75 SX	1443*	13 1/2"**	4193-4198 (G-SA Open Hole)
					8 5/8"	36#	4003	150 SX	2922*	9 7/8"**	
					5 1/2" Lnr.	15.5#	3878/4193	75 SX	3878*	7 7/8"**	
					5 1/2"		Surf/3878				
3B	#23 660' FNL & 2310' FEL	3617' DF	4240		12 1/2"	50#	208	150 SX	Circ.*	16"**	4048-4190 (G-SA)
					7"	22#	4055	500 SX	1031*	8 3/4"**	4200-4240 (G-SA Open Hole)
					5"	13#	4200	840 SX	Circ.*	6 1/4"	
3A	#24 620' FNL & 1293' FEL	3605' GL	4234	4223	9 5/8"	36#	194	175 SX	Circ.*	12 1/4"**	4134-4168 (G-SA)
					5 1/2"	14#	4114	500 SX	1490*	7 7/8"**	4176-4223 (G-SA Open Hole)
					4 1/2"	12.6#	4176	96 SX	Circ.	5"**	
6F	#25 1650' FNL & 2310' FWL	3648' KB	4322	4290	8 5/8"	24#	304	200 SX	Circ.	11"	4108-4214 (G-SA)
					5 1/2"	14#	4322	1780 SX	950	7 7/8"	
6H	#26 1650' FNL & 480' FEL	3641' KB	4215		10 3/4"	40.5#	361	300 SX	Circ.*	13 1/2"**	4133-4180 (G-SA)
					7"	24#	4074	800 SX	Circ.*	8 3/4"**	4199-4215 (G-SA Open Hole)
					4 1/2" Lnr.	9.5#	3969/4199	50 SX	3964*	6 1/4"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
5E	#27	3629' KB	4312	4183	13"	50#	200	200 SX	Circ.*	17 1/2"**	4092-4172 (G-SA)
	1980' FNL & 660' FWL				9 5/8"	36#	2792	500 SX	1169*	12"**	
					7"	20#	4019	300 SX	2205*	8 3/4"**	
					4 1/2" Lnr.	9.5#	3966/4190	35 SX	3966*	6 1/4"**	
5F	#28	3624' DF	4226	4180	13"	50#	212	150 SX	30*	17 1/2"**	3966-4174 (G-SA)
	1980' FNL & 1980' FWL				9 5/8"	40#	2780	300 SX	1806*	12"**	
					6 5/8"	26#	3950	150 SX	3185*	8 3/4"**	
					4 1/2" Lnr.	9.5#	3854/4183	150 SX	3854*	6 1/4"**	
5G	#29	3634' KB	4220		13 3/8"	50#	175	175 SX	Circ.	15"	4106-4190 (G-SA)
	1980' FNL & 1980' FEL				9 5/8"	40#	2744	500 SX	1293*	12 1/4"	4200-4220 (G-SA Open Hole)
					7"	26#	3932	230 SX	2644*	8 7/8"	
					5 1/2"	14#	4200	50 SX	3254*	6 1/4"	
5H	#30	3620' DF	4175		13"	50#	192	150 SX	Circ.	17 1/2"**	4089-4162 (G-SA)
	1980' FNL & 660' FEL				9 5/8"	36#	2750	500 SX	1127*	12"**	4169-4175 (G-SA Open Hole)
					7"	26#	3950	215 SX	2650*	8 3/4"**	
					5 1/2"	15.5#	4169	50 SX	3223*	6 1/4"**	
4E	#31	3612' DF	4275		13"	50#	259	106 SX	130*	17 1/2"**	3975-4207 (G-SA)
	2310' FNL & 990' FWL				9 5/8"	45#	2785	300 SX	1811*	12"**	4215-4275 (G-SA Open Hole)
					6 5/8"	26#	3993	135 SX	Circ.	8 1/4"**	
					5" Lnr.	15.5#	3947/4215	75 SX	3947*	6 1/4"**	
4F	#32	3614' KB	4244	4210	13"	50#	253	180 SX	Circ.*	17 1/2"**	4078-4198 (G-SA)
	1980' FNL & 1980' FWL				9 5/8"	45#	2772	300 SX	1798*	12"**	4199-4210 (G-SA Open Hole)
					6 5/8"	26#	3997	135 SX	3066*	8 1/4"**	
					5" Lnr.	18#	3936/4199	75 SX	3936*	6 1/4"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
4G	#33 2310' FNL & 1650' FEL	3623' KB	4255		16"	70#	152	360 SX	Circ.*	18"**	4006-4248 (G-SA)
					10 3/8"	45.5#	1523	75 SX	1354*	13 1/2"**	
					8 5/8"	36#	3259	60 SX	2827*	9 7/8"**	
					6 5/8"	26#	3952	50 SX	3492*	7 7/8"**	
					4 1/2" Lnr.	10.23#	3868/4254	75 SX	3460*	6"**	
4H	#34 1980' FNL & 660' FEL	3617' DF	4206		16"	70#	199	75 SX	Circ.*	18"**	4066-4203 (G-SA)
					10 3/4"	40#	1570	75 SX	1383*	13 1/2"**	
					8 5/8"	36#	3961	150 SX	2880*	9 7/8"**	
					5 1/2"	15.5#	4206	675 SX	664*	7 7/8"**	
3E	#35 1980' FNL & 660' FWL	3613' DF	4239		16"	70#	216	100 SX	Circ.*	18"**	4010-4212 (G-SA)
					10 3/4"	40#	2790	450 SX	1665*	13 1/2"**	4210-4239 (G-SA Open Hole)
					8 5/8"	36#	3990	150 SX	2909*	9 7/8"**	
					5 1/2"	14#	4210	650 SX	Circ.	7 7/8"**	
3F	#36 1980' FNL & 1980' FWL	3617' DF	4202	4197	13 3/8"	61#	214	135 SX	37*	17 1/2"**	4120-4195 (G-SA)
					9"	34#	1653	350 SX	727*	12"	
					7"	24#	4111	150 SX	2642*	8 1/8"	
					5 1/2" Lnr.	15.5#	3977/4202	50 SX	3977*	6 1/4"**	
					5 1/2"		Surf/3977				
3G	#37 1980' FNL & 2310' FEL	3615' KB	4290		12"	50#	250	175 SX	Circ.*	16"**	4067-4164 (G-SA)
					7"	22#	4147	500 SX	865*	8 5/8"**	4180-4290 (G-SA Open Hole)
					5"	13#	4180	300 SX	624*	6 1/4"**	
3H	#38 2205' FNL & 1293' FEL	3610' DF	4233		9 5/8"	36#	196	175 SX	Circ.*	12 1/4"**	4132-4233 (G-SA Open Hole)
					5 1/2"	14#	4132	500 SX	1508*	7 7/8"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PETD	Casing Size	Casing Wt.	Casing Setting Depth	Casing Amt. of Cmt.	Casing TOC	Casing Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
6G	#113 1650' FNL & 1650' FEL	3628' GL	4168	4141	8 5/8" 5 1/2" 4" Lnr.	24# 15.5# 11.34#	321 3279 3042/4112	250 SX 800 SX 130 SX	Circ.* Circ.* 627*	12 1/4"** 7 7/8"** 5"**	3988-4067 (G-SA)
33P	State "A-3" #27 760' FSL & 610' FEL	3634' GL	3220		9 5/8" 5 1/2"	32.2# 15.5#	338 3160	250 SX 700 SX	Circ.* Circ.*	12 1/4"** 7 3/8"	3160-3220 Open Hole)
4C	State "A" #11-X 810' FNL & 2030' FWL	3639' DF	8160	7370	13 3/8" 9 5/8" 5 1/2"	54.5# 32.3# 15.5#	1544 4434 7365	825 SX 815 SX 200 SX	Circ. 1789* 5188*	17 1/2" 12" 6 3/4"	3172-3224
	Moranco										
18E	Hardin B #1	3678' DF	4128		8 1/2" 5 1/2"	24,32# 14#	325 4135	200 SX 1850 SX	Circ.* Circ.*	11"** 7 7/8"**	4020-4098 (G-SA)
18F	Hardin B #2	3676' DF	4130	4074	8 5/8" 5 1/2"	24# 14#	228 4143	175 SX 250 SX	Circ.* 2831*	11"** 7 7/8"**	4018-4065' (G-SA)
18D	Hardin B #3 (Injector)				8 5/8" 4 1/2"	28# 9.5#	256 4169	200 SX 400 SX	Circ.* 2070*	11"** 7 7/8"**	4066-4146' (G-SA)
18C	Hardin B #4				8 5/8" 4 1/2"	28# 11.6#	222 4194	200 SX 400 SX	Circ.* 2095*	11"** 7 7/8"**	4087-4162 (G-SA)
13H	Rice #1 (Injector)				8 5/8" 5 1/2"	28# 14#	268 4018	200 SX 300 SX	Circ.* 2444*	11"** 7 7/8"**	4022-4135 (G-SA Open Hole)
13G	Rice #2				8 5/8" 5 1/2"	24# 14#	270 4034	200 SX 300 SX	Circ.* 2460*	11"** 7 7/8"**	4035-4141 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Moranco										
13A	Rice #3				8 5/8"	24#	296	200 SX	Circ.*	11"**	4051-4198 (G-SA Open Hole)
					5 1/2"	14#	4055	300 SX	2481*	7 7/8"**	
13B	Rice #4 (Injector)				8 5/8"	24#	299	175 SX	Circ.*	11"**	4040- (G-SA Open Hole)
					5 1/2"	15.5#	4040	250 SX	2728*	7 7/8"**	

IN WITNESS WHEREOF, the parties hereto execute this agreement as of the day and year first above written.

CITY OF HOBBS
A Municipal Corporation

By: _____
MAYOR

Approved as to form:

_____
CITY ATTORNEY

ATTEST:

_____
CITY CLERK

SHELL OIL COMPANY, a corporation, as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit

By: _____
R. L. Howard
Division Production Manager
Mid-Continent Division

WR-3198 A

COMPLETION DATE 1/71 — AMERADA HOBBS STATE NO. 5 — COMPLETION INTERNAL: P&A

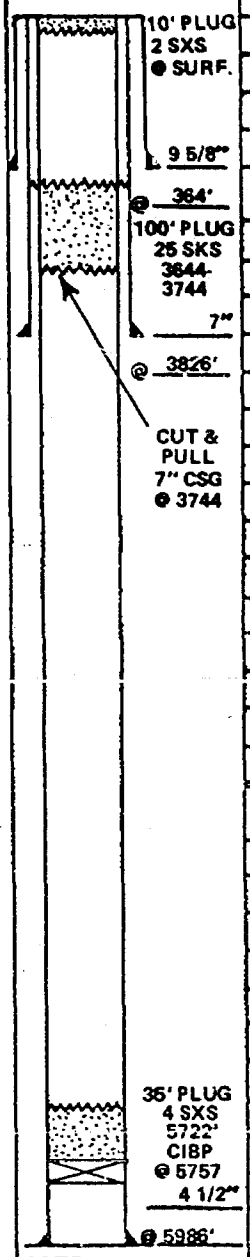
P&A DATE 5/11/73 — NORTH HOBBS (G/SA) UNIT

LOCATION 2280' FNL & 1980' FWL SECTION 29 BLOCK F

SURVEY _____ COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3655 TD 5986 PBTD PA [ ]

T.D. 5986'



PBTD

OPT

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	36	364	200	*Circ	12 1/4"
7"	23	3826	140	*2975	8 3/4"
4 1/2"	11.6	5986	186	*4340	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	Blnbry	5813-5879	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

PRESSURE MAINTENANCE PROJECT — DATE:

EXHIBIT "11"

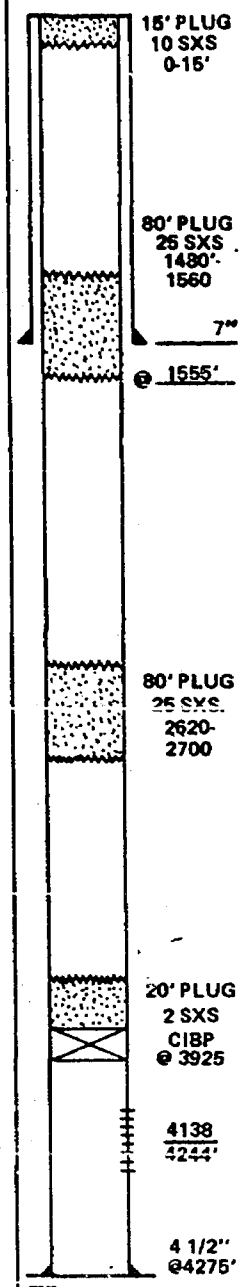
COMPLETION DATE 12-19-68 — AMERADA 'D' STATE NO. 1 — COMPLETION INTERNAL: 4138-4244(I)

RECOMPLETION DATE 10-27-70 (P&A) — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 330' FEL — SECTION 36I — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM [ ] — G.L. ELEV. 3654' — TD 4275' — PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
7"	23#	1555	400	Circ.	8 3/4"
4 1/2"	10.5	4275	300	2750	6 1/4"
	11.6			(T.S)	

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1625	
T.Salt	1725	
Yates	2730	
GU	4137	-482
GL	4254	-599
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/68	I	4138-4244	18 Holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/68	I	1000 gal. AT; 20x10			32BO,
		frac.			14BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: P&A: CIBP @ 3995' w/20' cmt. on top; 25 sx cmt. from 2620-2700', 25 sx cmt. from 1480-1560'; 10 sx cmt. 0-15 w/reg. marker. Hole laden w/mud laden fluid.

DATE: 8-23-78 KI

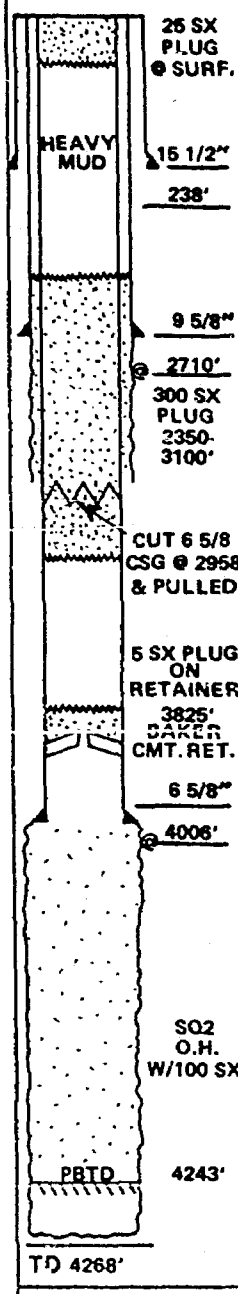
COMPLETION DATE 12-1-32 — ATLANTIC GRIMES NO. 2 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 4-18-59 (P&A) — HOBBS (G-SA) UNIT

LOCATION 1650' FWL & 2350' FNL — SECTION 28 F — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3654' [GL] G.L. ELEV. _____ — TD 4243' — PBTD P&A [ ]



**Estimate CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	233	200	Circ.*	18"**
10"	45#	2702	700	1945*	13"**
6 5/8"	24#	3974	250	3270*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3999	-348e
GL	4086	-435e
I	4094	-443e
II	4152	-501e
III	4211	-560e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
		3974-4243'	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
	4243-68	PB w/10 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
12/33		1000 gal.	AT		
7/34		1000 gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Tested for csg. leaks 9-9-53 - no leaks. See attached for P&A info.

DATE: 8-22-78 KLL

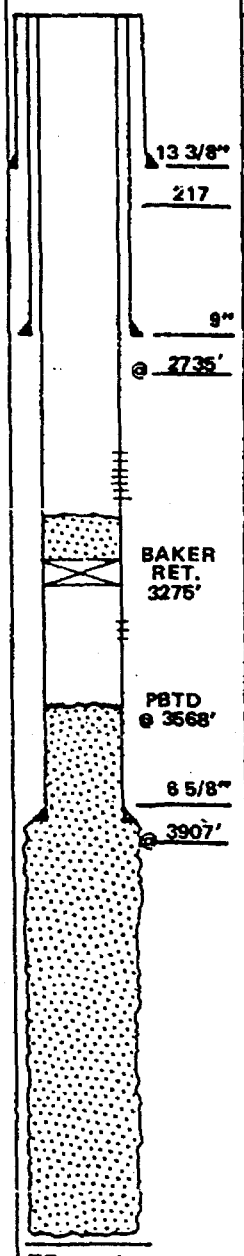
COMPLETION DATE 8-30 — CHEVRON STATE "A" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10-14-46 — HOBBS (G-SA) UNIT

LOCATION 992' FSL & 988' FEL — SECTION 29 P — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3651' [GL] G.L. ELEV. _____ — TD 4090 — PBTD 3260' [P&A]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	217	200	Circ.*	16"
9"	45#	2735	500	1405*	12"
6 5/8"	26#	3907	357	1813*	8 1/2"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3869e	-218
GL	3966e	-315
I	3981e	-330
II	4049e	-398
IIIU	4111e	-460
IIIL	4213e	-562
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G/SA	3907-4090	
		3150-70	
		3190-3241	
		*3287-91	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

6-13-79 JBK

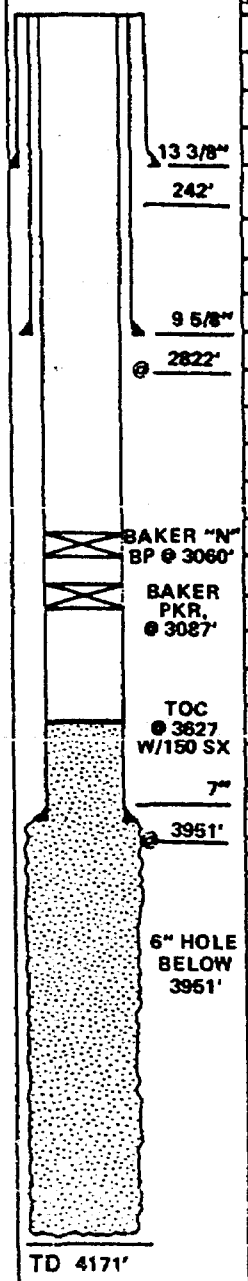
COMPLETION DATE 9-30 — CHEVRON STATE "A" No. 2 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1946 (P&A) — HOBBS (G-SA) UNIT

LOCATION 990' FSL & 1650' FEL SECTION 29 0 BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3651' TD 4171' PBTD 3060' [BP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	50#	242	150 sx	70*	18"
9 5/8"	36#	2822	725 sx	469*	12"
7"	30#	3951	300 sx	2137*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9-30	G-SA	*3951-4171	OH
		*3155-3175	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 1/79 KLJ

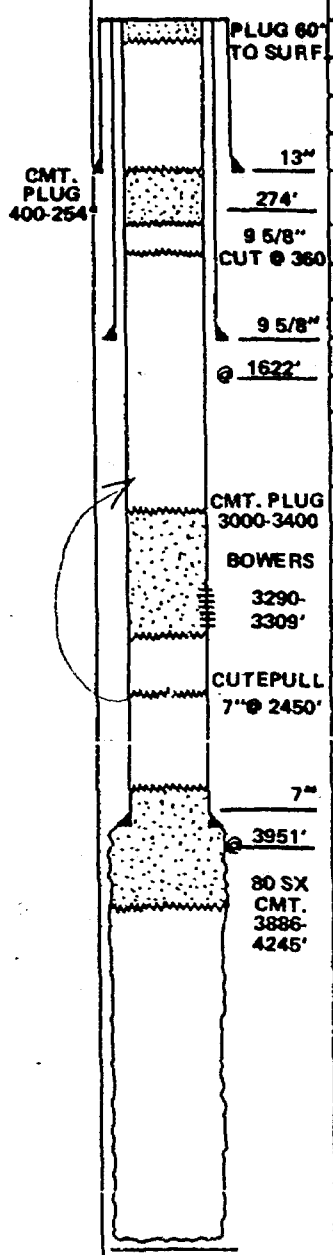
COMPLETION DATE 6-3-36 (D&A) — CONTINENTAL ST. "B-13" NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 3300' FNL & 3300' FEL — SECTION 13 K — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3684' [DF] G.L. ELEV. _____ — TD 4245' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	274	200	Circ.	16"**
9 5/8"	36#	1622	400	438*	12 1/4"*
7"	24#	3951	400	1149*	8 1/2"*

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3959	-275e
GL	4082	-398e
I	4132	-448
II	4234	-550e
III	4304	-620
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3-36	Bowers	3290--3309'	20 holes
		3951-4245	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: P&A: 7" csg. cut @ 2450'; 1501' in hole. 9 5/8" cut @ 360'; 1262' in hole
80 sx cmt. 4245-3886'. Cmt. plug 3400-3000', Plug from 400-254'; cellar to 60'

DATE: 8-24-78 KLL

Rev. 12-78 KLL

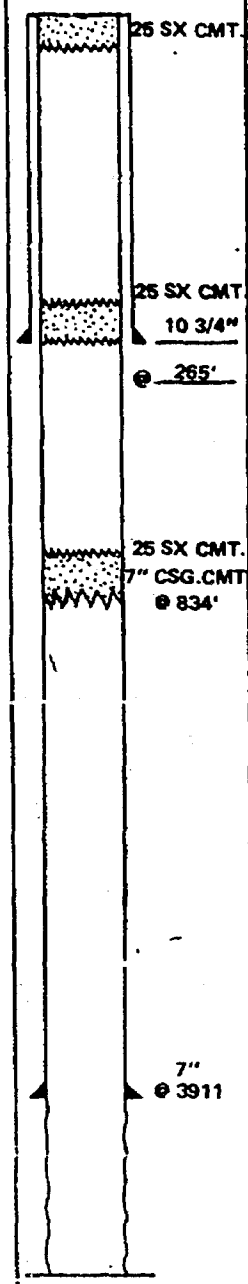
COMPLETION DATE 12-52 — ESTES-STANOLIND ST. NO. 1-A — COMPLETION INTERNAL: _____

P&A DATE 1-6-65 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FEL — SECTION 14 P — BLOCK _____

SURVEY T-18-S, R- — COUNTY Lea County, New Mexico

DATUM 3677' [DF] G.L. ELEV. _____ TD 4135' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40.5#	265	200	Circ.*	15"
7"	20#	3911	150	3539*	10 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-52	G/SA	3911-4135	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

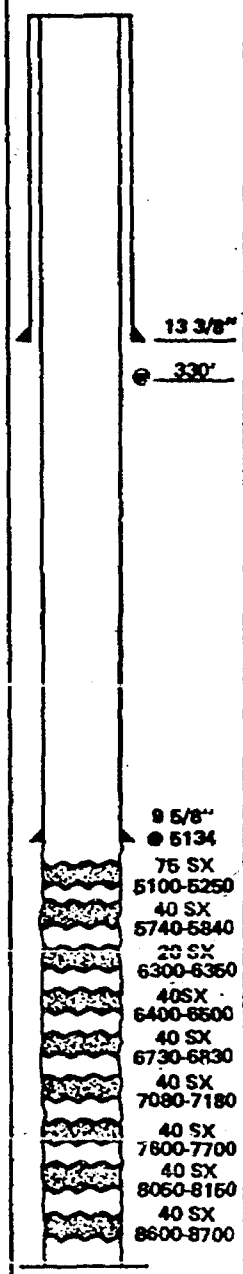
D&A DATE 5-26-60 CONTINENTAL NORTH HOBBS UNIT #1 COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ HOBBS (G-SA) UNIT

LOCATION 660' FNL & 660' FWL SECTION 13 D BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3686' [DF] G.L. ELEV. _____ TD 8877 PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	330	375	Circ.*	17 1/2"
9 5/8"	36,40#	5134	840	2700*	12 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5-60		*5134-8877	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Was loaned to Dresser Atlas for testing logging instruments

DATE: 12/78 KLL

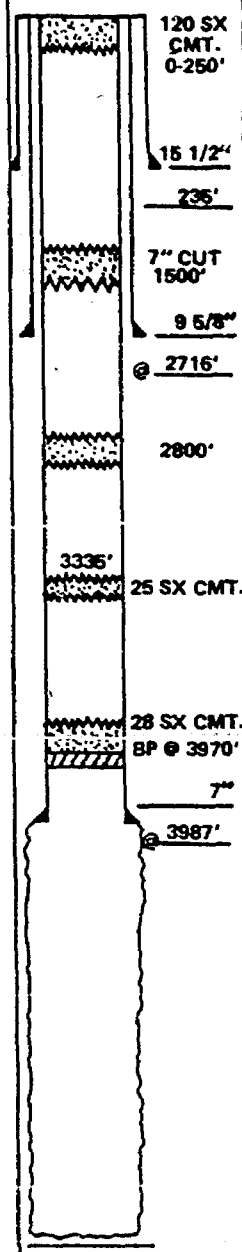
COMPLETION DATE 11-32 — EXXON-BOWERS "B" FED. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 12-21-71 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330' FWL — SECTION 29 D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3656' [DF] G.L. ELEV. _____ TD 4186' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	235	225	Circ.*	18"**
9 5/8"	36#	2716	650	830*	12 1/4"**
7"	26#	3987	300	1840*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11-32	G/SA	3987-4186'	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

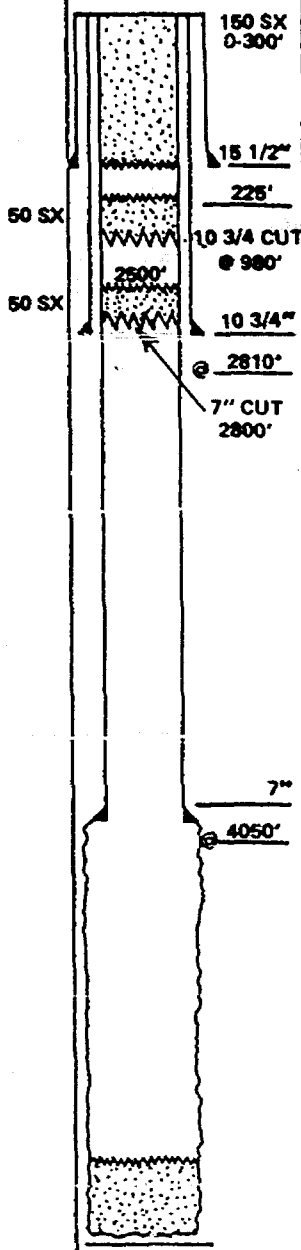
COMPLETION DATE 12-32 — EXXON BOWERS "B" NO. 2 — COMPLETION INTERNAL: _____

P&A DATE 5-6-46 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FWL — SECTION 20 J — BLOCK _____

SURVEY T-18-S, R- — COUNTY Lea County, New Mexico

DATUM 3647' [DF] G.L. ELEV. _____ — TD 4247' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	225	225	Circ.*	18"**
10 3/4"	40#	2810	700	750*	13 1/2"**
7"	26#	4050	300	1950*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-32	G-SA	4050-4247	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

WR-3198 B

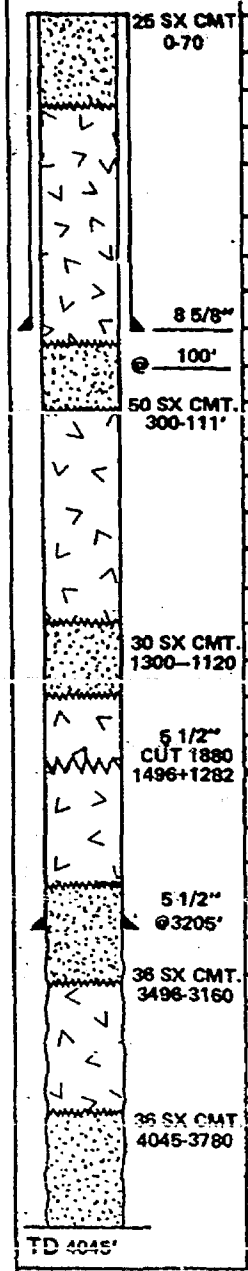
D&A DATE 3-48 — EXXON-GRIMES NO. 2 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 660' FWL — SECTION 29 A — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3644' — TD 4045' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	100	150	Circ.*	11"
5 1/2"	14,17#	3205	450	765*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3-48	BOW/ G-SA	3205-4045	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

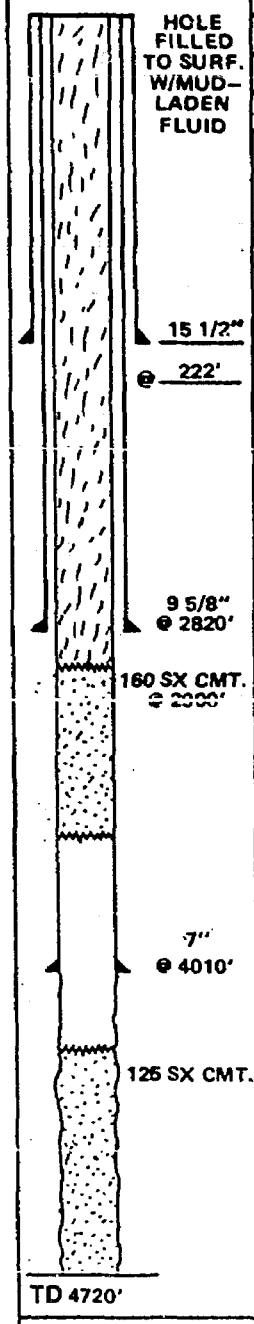
D&A DATE 5-33 — EXXON-BOON HARDIN NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330' FWL SECTION 18E BLOCK _____

SURVEY T-18-S, R- COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. _____ TD 4720' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	222	225	Circ.*	18"**
9 5/8"	36#	2820	650	910*	12 1/4"**
7"	24#	4010	300	1910*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5-33	G-SA	4010-4720	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

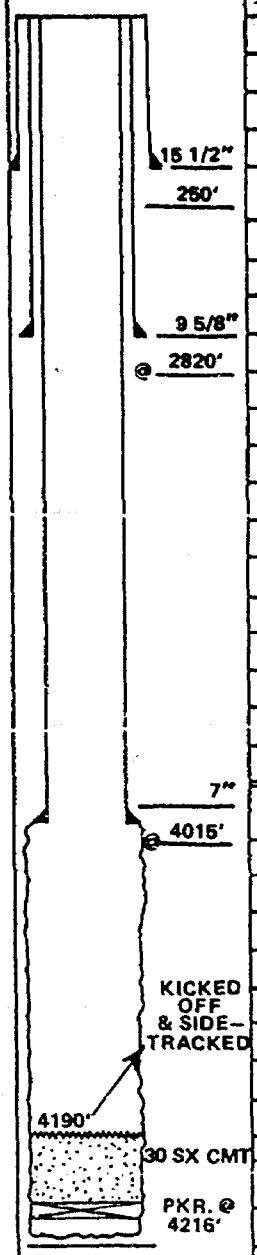
COMPLETION DATE 2-1-33 — BILL SWEET "B" NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 9-1-49 (P&A) — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 990' FEL — SECTION 20 P — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3645' — TD 4226' — PBTD 4190' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	250	225	Circ.*	18"**
9 5/8"	36#	2820	650	910*	12 1/4"**
7"	24#	4015	300	1915*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	OENS & SIZE
2-33	G-SA	4015-4226	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Well was plugged 8/4/49. TOC @ 4190

9/54 well was side tracked & number changed to 3-A

DATE:

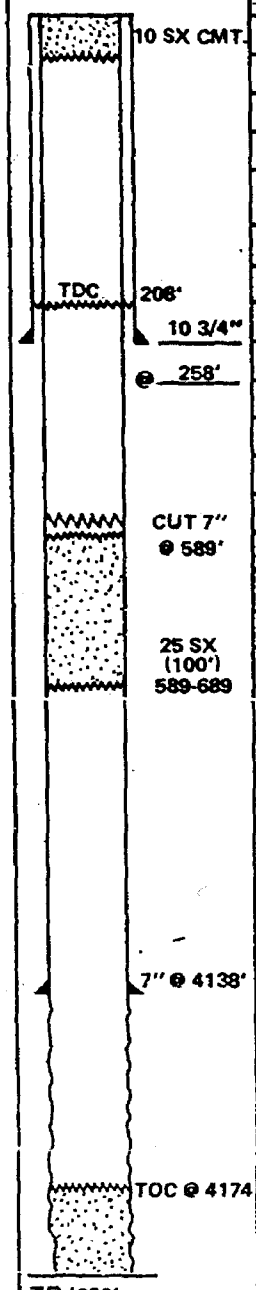
COMPLETION DATE 2-54 — BILL SWEET "B" NO. 3-A — COMPLETION INTERNAL: _____

P&A DATE 8-9-60 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 700' FEL — SECTION 20 P — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3647' (DF) G.L. ELEV. _____ TD 4230' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	258	150	Circ.	13 1/2"
7"	20#	4138	600	522*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4072	-420e
GL	4159	-507e
I	4173	-521e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2-54	G-SA	4138-4230	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3-54	G, I	250 gal. AT	4136-70'		
		250 gal. AT	4170-80'		
		750 gal. 15% AT	4170-80'		
		5000 gal. 15% AT	4170-80'		2BOPH
		8000 gal. 20% AT	4170-80'		1BOPH
		100 gal. AT	4207-30'		100% wtr.

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-23-78 KI

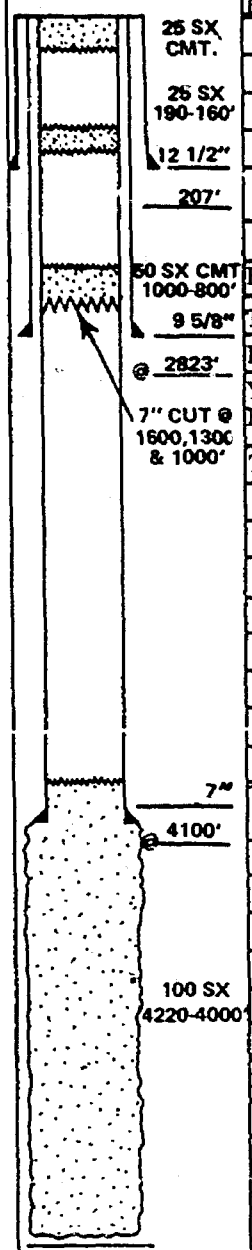
COMPLETION DATE 11-30 — EXXON "A" STATE NO. 3 — COMPLETION INTERNAL: _____

P&A DATE 3-18-47 — HOBBS (G-SA) UNIT

LOCATION 1980' FEL & 1980' FSL — SECTION 25J — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3667' [DF] G.L. ELEV. _____ — TD 4220' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	207	250	Circ.*	14"**
9 5/8"	36#	2823	650	907*	12 1/4"**
7"	26#	4100	350	1660*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
BRB	1610	
T Salt	1750	
B Salt	2650	
Yates	2780	
Buff-lime	2900	
T Pay	4125	
GU	4047	-380e
GL	4141	-474e
I	4167	-500e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/30	G-SA	4100-4220	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: See attached for P&A info

DATE: 8-24-78 KLL

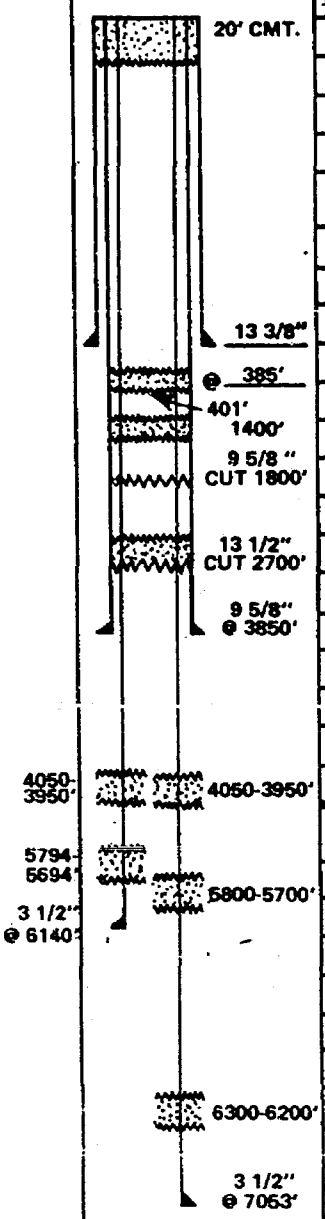
COMPLETION DATE 10-69 — EXXON "A" BOWERS NO. 32 — COMPLETION INTERNAL: P&A

P&A DATE 9-14-72 — HOBBS(G-SA) UNIT

LOCATION 330' FSL & 1980' FEL — SECTION 300 — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3658' [DF] G.L. ELEV. 3646' TD 7075' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	385	400	*Circ.	17 1/2"
9 5/8"	36#	3850	550	*610	11"
3 1/2"	7.7#	6140	895	*5620	8 3/4"
3 1/2"	7.7#	7053			8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3918	-260
GL	4032	-374
I	4048	-390
II	4106	-448
IIIU	4168	-510
IIIL	4274	-616
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/69	Blnbry	*5940-54'	1 SPF
9/69	Drnkrd	*6974-82'	1 SPF
9/69		5725-76'	
10/69		5813,87-91'	
12/69		6974-82'	1 SPF
		5825-29,56-60,72-76	

5887-91 SQUEEZE & REPAIR 5895-5901'

DATE	DEPTH	WORK DONE
9/69	6974-82	Sqz'd w/50 sx cmt.
9/69	5940-54	Sqz'd w/40 sx cmt.
10/69	5725-76	Sqz'd w/25 sx cmt.
10/69	5813	Sqz'd w/75 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/69	Blnbry	1500 gal. 15% NE AT	(5940-54')		46 BW
9/69	Drnkrd	9500 gal. 15% NE AT	(6974-82')		70 BW
9/69		5000 gal. AT 10x65 frac	(5725-76')		30 BW
10/69		500 gal. AT	(5887-96')		12 BW
12/69		2500 gal. AT	(6974-82')		1BO,74BW
		5000 gal. AT	(5825-76')		
		500 gal. AT	(5887-5901')		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-24-78 K

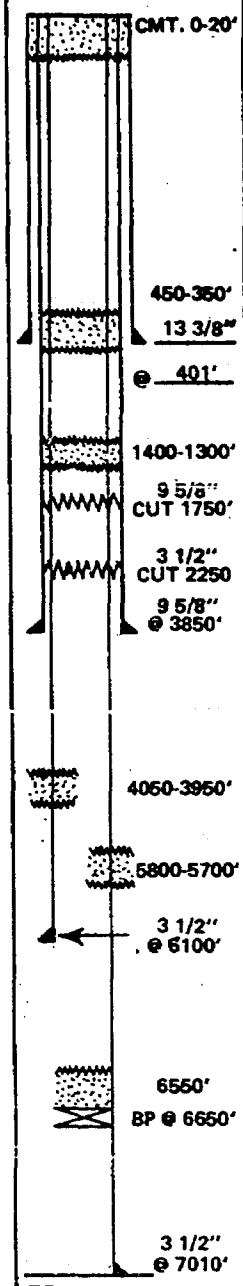
COMPLETION DATE 9-69 — EXXON "A" BOWERS NO. 34 — COMPLETION INTERNAL: P&A

P&A DATE 9-26-72 — HOBBS (G-SA) UNIT

LOCATION 1980' FSL & 2120' FEL — SECTION 30J — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3661' [DF] G.L. ELEV. 3650' — TD 7010' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	401'	400	150*	17"
9 5/8"	36#	3850'	550	3040*	12 1/4"
3 1/2"	7.7#	6100'	895	4144*	8 3/4"
3 1/2"	7.7	7010'			8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3904	-243
GL	4014	-353
I	4030	-369
II	4106	-445
IIIu	4178	-517
IIIL	4294	-633
Drnkrd	7100	
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/69		*5848,50,51,63,65,67,93,	1 JPF
10/69		98, 5900,05,07	
11/69		*6973-79, 6946-50, 6955-33	1 JPF
12/69		6718,66,69,98, 6832,53,	
12/69		6855,75, 6901-6912	
	Drnkrd	5822-28	1 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
10/69	5848/	Sqz'd w/44 sx cmt.
	5907	
12/69		B.P. @ 6650' w/25 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/69		2000 gal. AT	(6973-79')		75 BW
11/69		3000 gal. AT	(6973-79')		22BO, 78B
12/69		500 gal. AT	(6946-63')		
12/69		10,000 gal. AT	(6718-6912')		Dry
12/69		500 gal. AT	(5822-28")		158 BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Gas lifted

See attached for P&A procedure

DATE:8-24-78

WR-31965

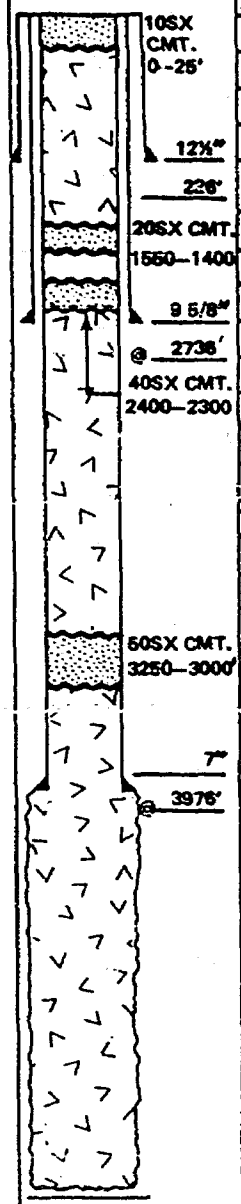
COMPLETION DATE 9/30 — EXXON USA BOWERS No. 9 — COMPLETION INTERNAL: _____

P&A DATE 1/2/62 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FWL — SECTION 29E — BLOCK _____

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

DATUM 3654' [DF] G.L. ELEV. _____ — TD 4200 — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	226	650	Circ.*	14"**
9 5/8"	36#	2736	650	351*	11 3/4 **
7"	26#	3976	300	825*	8 1/2" **

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3976-4200	OH
	Bow/7Riv	3222-27	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 2/78 KLL

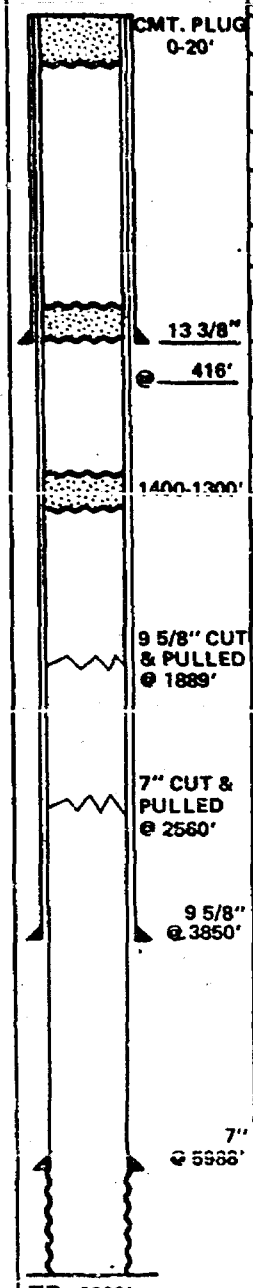
COMPLETION DATE 7-69 — EXXON USA BOWERS NO. 33 — COMPLETION INTERNAL: _____

P&A DATE 10-3-72 — HOBBS (G-SA) UNIT

LOCATION 800' FNL & 660' FWL SECTION 29D BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3657' [DF] G.L. ELEV. _____ TD 6000' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	416	400	Circ.*	17"
9 5/8"	36#	3850	550	3040*	12 1/4"**
7"	23#	5988	550	2672*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/69	Blnbry	5915-5953	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

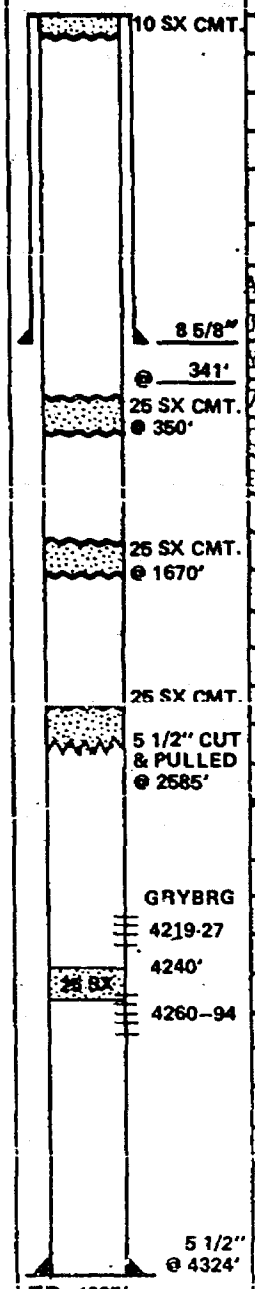
COMPLETION DATE 1-60 | GETTY STATE "B" NO. 3 | COMPLETION INTERNAL: _____

P&A DATE 8-27-60 | HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 2310' FWL SECTION 14F BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3686' [DF] G.L. ELEV. _____ TD 4324' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	341	300	Circ.	11"
5 1/2"	15.5#	4324	600	1096*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1645	
Tansil	2717	
Yates	2867	
7 Riv	3142	
Queen	3700	
Penrose	3854	
GU	4300	-599
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/60	G-SA	4219-4232'	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/60	4218-32	Sqz'd w/195 sx sand

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/60	G	1500 gal. AT; 10x10 frac			
1/60	G	1000 gal. AT; 10x10 frac			
2/60	G	1000 gal. AT; 20x17.5 frac			
5/60	G	10x3.4 (walnut shells)	unable to rec. load		

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

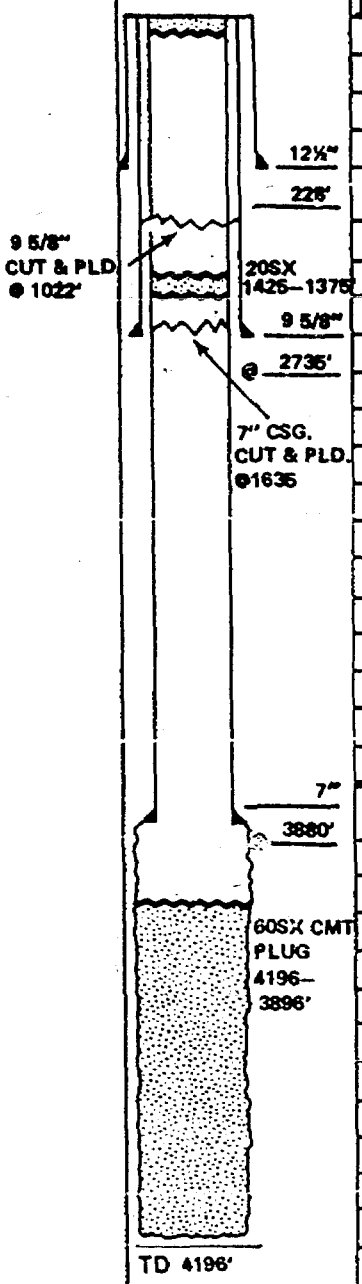
COMPLETION DATE 12/30 — GETTY GRIMES No. 5 — COMPLETION INTERNAL: _____

P&A DATE 6/29/50 — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FEL — SECTION 29H — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3647' — TD 4196' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	228	250	Circ.	14"**
9 5/8"	36#	2735	600	1173*	12¼"**
7"	24#	3880	400	1084*	8½"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3880-4196	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

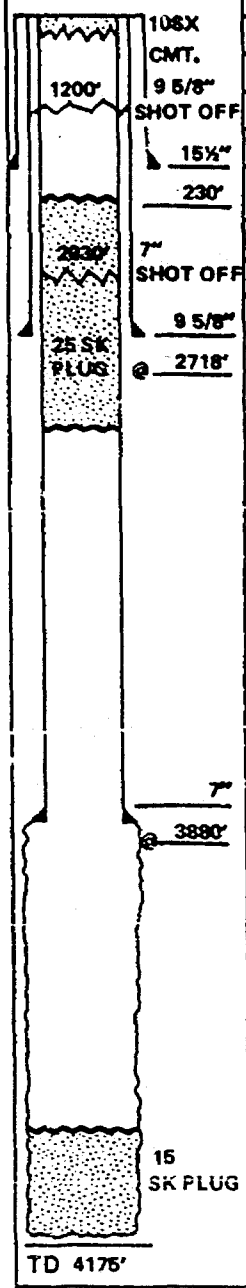
COMPLETION DATE 9/30 — GETTY GRIMES No. 2 — COMPLETION INTERNAL: _____

P&A DATE 7/3/51 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FEL — SECTION 29H — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3650' — TD 4175' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	230	200	Circ.*	18"
9 5/8"	36#	2718	600	954*	12 1/4"**
7"	24#	3880	300	1784*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3951	-299
GL	4052	-400
I	4062	-410
II	4128	-476
IIIu	4197	-545
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G-SA	3880-4175	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

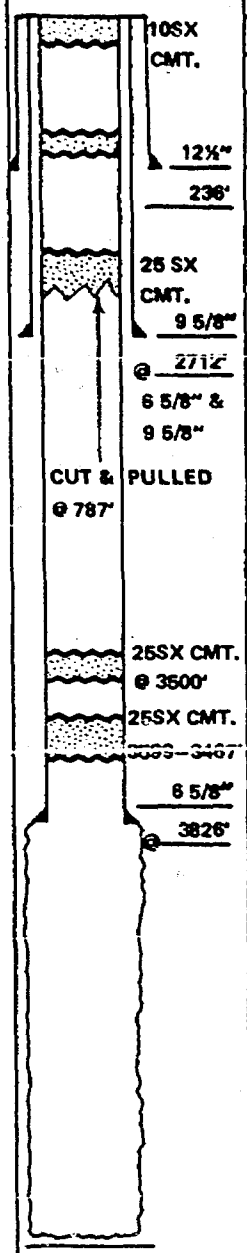
COMPLETION DATE 8/30 — GETTY GRIMES WO No. 1 — COMPLETION INTERNAL: _____

P&A DATE 7/25/68 — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 990' FEL SECTION 29I BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3650' TD 4160' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	236	200	Circ.*	14"
9 5/8'	36#	2712	600	948*	12 1/4
6 5/8'	24#	3826	300	2098*	8 1/2

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
**			
**			
**			

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3895	-247
GL	3984	-336
I	3996	-348
II	4061	-413
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/30	G-SA	3826-4200	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

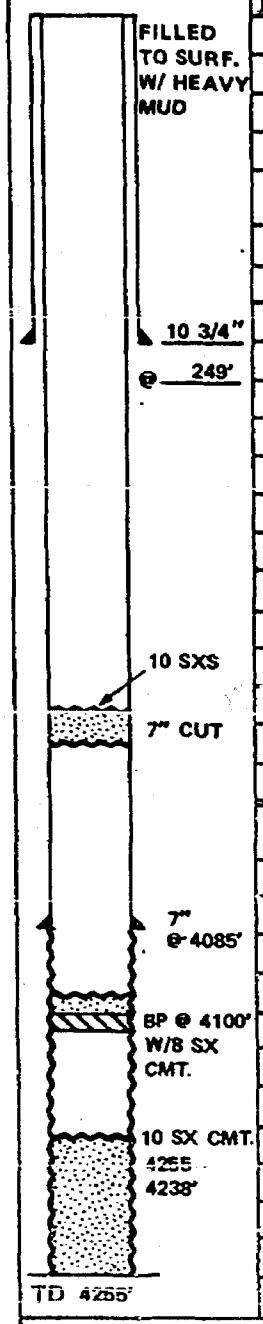
COMPLETION DATE 10/42 — GULF MORRIS NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10/27/43 — HOBBS (G-SA) UNIT

LOCATION 363' FNL & 2310' FEL — SECTION 21G — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. _____ TD 4255' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	249	155	Circ.*	12"
7"	24#	4085	450	941*	8 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/42	G-SA	4085-4255	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

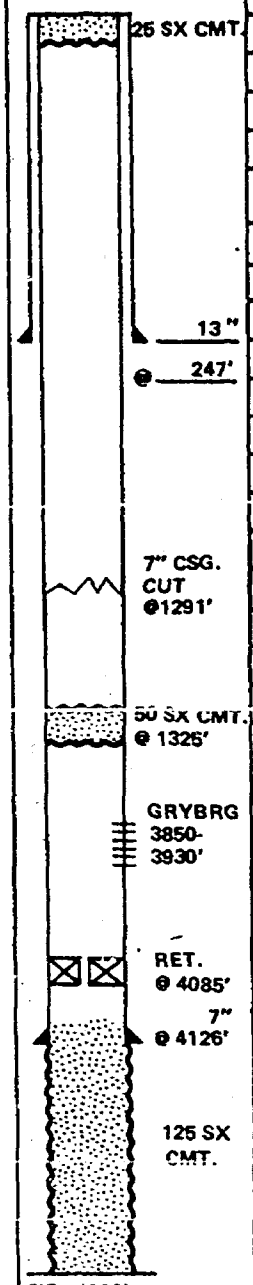
COMPLETION DATE 4-14-36 — GULF "C" GRIMES NO. 4 — COMPLETION INTERNAL: _____

P&A DATE 2-8-49 — HOBBS (G-SA) UNIT

LOCATION 1350' FSL & 1350' FWL — SECTION 21K — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3645' — TD 4225' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15"	40#	247	150	Circ.*	18"
7"	24#	4126	1300	Circ.*	9 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4106	-461
GL	4198	-553
I	4198	-553
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4126-4225	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/36	G	5000 gal.	AT		
4/36	G	3000 gal.	AT	77BOPH	146BOPH

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Gas lifted.

DATE: 8-23-78 K

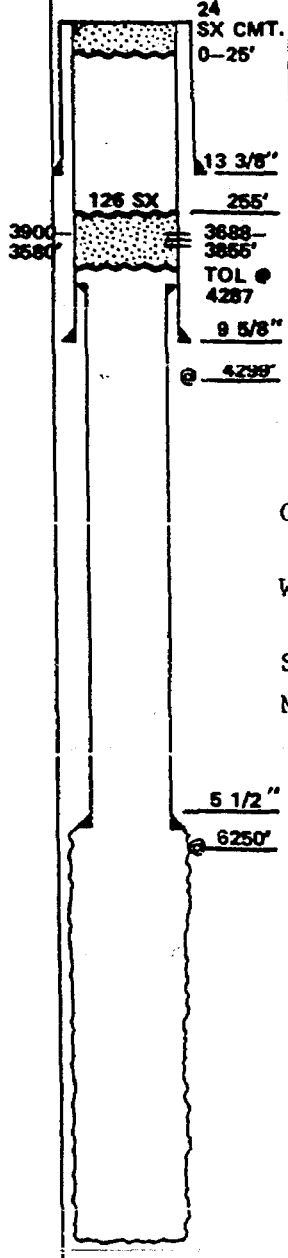
COMPLETION DATE _____ **GULF-GERTRUDE MORRIS NO. 1** COMPLETION INTERNAL: _____

D&A DATE 1/11/57 **HOBBS (G-SA) UNIT**

LOCATION 1980' FNL & 1980' FEL SECTION 21G BLOCK _____

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

DATUM 3647 DF | G.L. ELEV. 3640' TD 11,211' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	255	300	Circ.*	17 1/2"
9 5/8"	36#	4299	2820	Circ.*	12 1/4"
5½"/nr.		4287/6250	500		

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1745	
Yates	2895	
Queen	3680	
Gu	4218	-571
I	4326	-679
II	4371	-724
Glorieta	5650	
Tubb	6762	
Woodford	8472	
Dev.	8612	
Silurian	9910	
Montoya	10,360	
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE • NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/56	Glorieta	*6153-81	4 1/2" JPF
11/56	II	*4474-95	4 1/2" JPF
11/56	G	*4250-80, 4287-4300	4 1/2" JPF
11/56	Queen	3688-3710, 3755-90, 3830-55	4 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/56	6153-81	Sqz'd w/51 SX cmt.
11/56	4474-95	Sqz'd w/72 SX cmt.
11/56	4250/4300	Sqz'd w/192 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/56	II	5000gal.	AT		
11/56	G	500 gal. 15%	AT		
11/56	G	1000 gal. 15% 10 X .7#/gal.	frac		
11/56	Queen	1000 gal. 15%; 5 X 5	frac		

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/22/78KLL

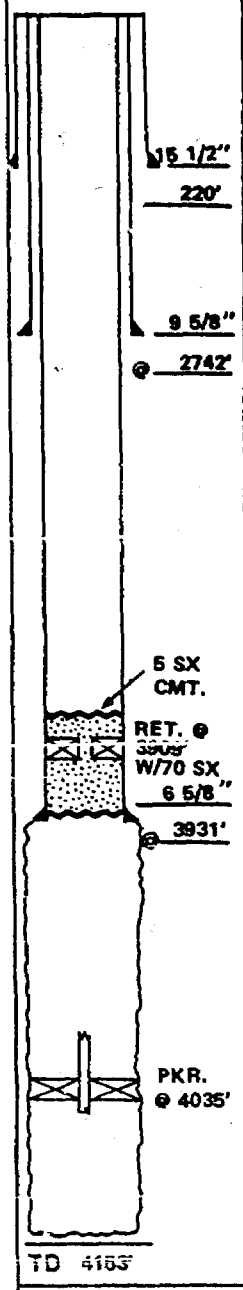
COMPLETION DATE 8-30 — GULF GRIMES "NCT-A" NO. 4 — COMPLETION INTERNAL: _____

P&A DATE 8-21-40 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL — SECTION 32C — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3640' — TD 4153 — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	220	200	Circ.*	18"**
9 5/8"	36#	2742	600	930*	12 1/4"**
6 5/8"	24#	3931	400	1890*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3630-3700	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Well recompleted to Byers zone 8/26/40.

DATE: 12-78 KLL

WR-3198 B

PROPOSED WELL NO. 36-211

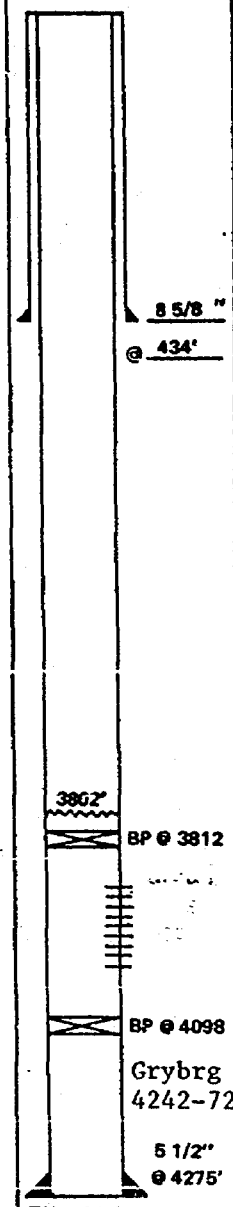
COMPLETION DATE 6-57 — GULF HOLT NCT-D NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1-75 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL — SECTION 36C — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3670' — TD 4275' — PBTD T.A. [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	434	325	Circ.	11"
5 1/2"	14#	4275	400	*2223	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1658	
Yates	2920	
Queen	3720	
Penrose	3870	
GU	4210	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/57	G	4242-72	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/70		CIBP @ 4098', capped w/1 sk.
		CIBP @ 3812' & capped w/1.5 sx cmt.
		to 3802

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	12,000 gal. AT; 10x10	frac (4242-72')		
2/63	G	1000 gal. 15% NE FE	AT	8BO,1BW	23BO,
					10BW
4/70	G	1000 gal. 15% NEA; sand			
		frac'd (3838-4034')			

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KLL

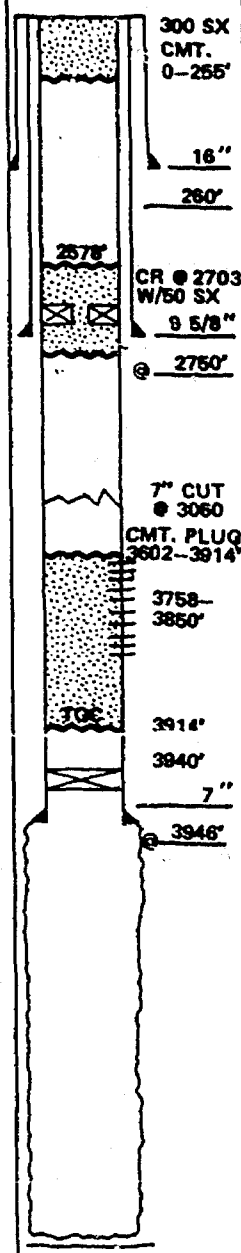
COMPLETION DATE 11/25/30 — MARATHON STATE NO. 4 — COMPLETION INTERNAL: 3758-3850'

RECOMPLETION DATE 1/25/57 (P&A) — HOBBS (G-SA) UNIT

LOCATION 330' FWL & 330' FSL — SECTION 30 M — BLOCK

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

DATUM 3662' [DF] G.L. ELEV. — TD 4215' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	65.3#	260	225	Circ.*	18"**
9 5/8"	40#	2750	500	1280*	12¼"**
7"	24#	3946	350	1500*	8½"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
BRB	1540	
T. Salt	1672	
B. Salt	2628	
Buff Is.	2865	
Yates	2750	
Ector	3940	
Gu	3999	-342
GL	4136	-479
I	4152	-495
II	4215	-558e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/51	Byers	3758-70, 3785-97, 3810-25	4 JPF
		3840-50	
	G-SA	3946-4215	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/51	4086/4146	PB w/4 SX cmt.
11/50	4146	PB w/45 SX cmt.
3/51	3940	CIBP w/TOC@ 3914'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/51		1000 gal. 15%	3980'-4081'		
11/50		3000 gal.	3978-4146		

OPT 3693 BO (1st prod.)

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/22/78 KLL

Rev. 12/78 KLL

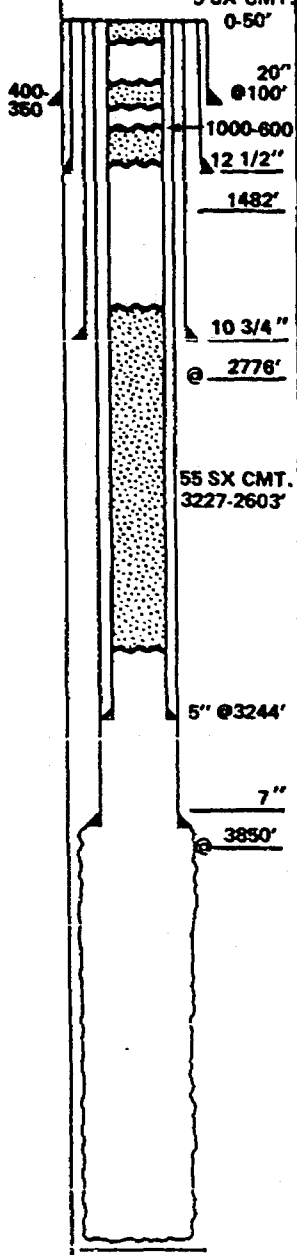
P&A DATE 7/21/58 — MARATHON STATE 32 NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2970' FNL & 1650' FEL — SECTION 32J — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3636' — TD 4176' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	1482	175	1264*	17"**
10 3/4"	41#	2776	200	2242*	13 1/2"**
7"	24#	3850	275	2192*	8 3/4"**
5"	15#	3244	500	178*	7"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE • NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	Bowers	3244-4176	
	G/SA-Bow.	3140-3203	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

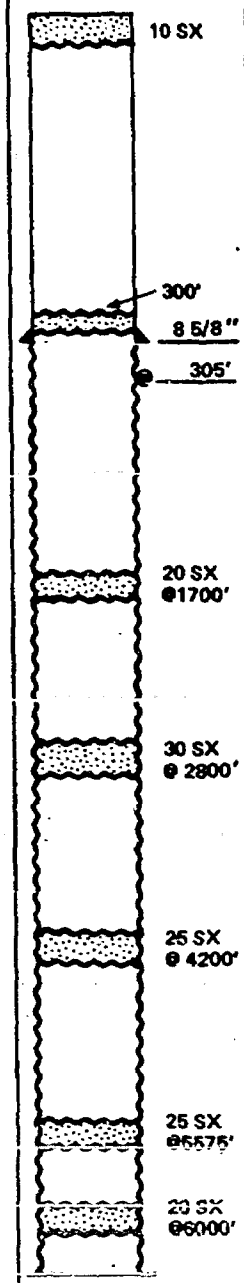
COMPLETION DATE 3-23-62 (P&A) — C.H. SWEET 'B' McKINLEY NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL SECTION 20G BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3656' [DF] G.L. ELEV. _____ TD 6175' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	305	225	Circ.	12 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4113	-456e
GL	4201	-544e
I	4206	-549e
II	4267	-610e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-24-78 K

WR-31985

D&A (G-SA)
COMPLETION DATE 8-62
RECOMPLETION DATE 2-19-63

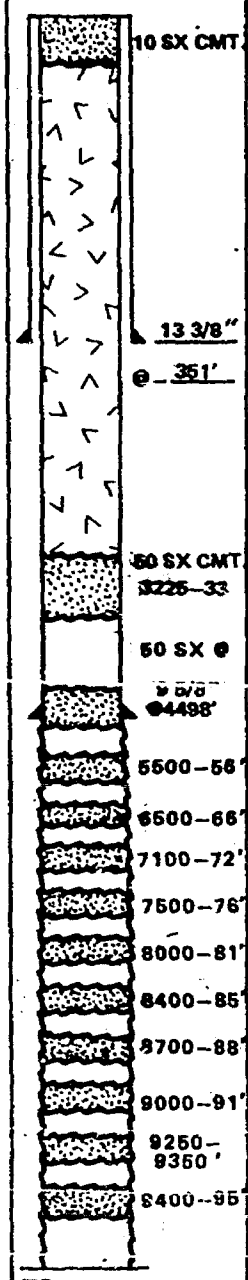
SHELL McKINLEY "A-19" NO. 1
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: _____

LOCATION 2310' FSL & 1650' FEL SECTION 19J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, NM

DATUM 3655' [DF] G.L. ELEV. _____ TD 9550' PBTD D&A [



CASING RECORD *CALCULATED AT 50% EFFICIENCY

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	351	350	Circ.*	17"
9 5/8"	36,40#	4498	2500	Circ.*	12 1/4

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	4498-9550	
	Bowers	3260-3301	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

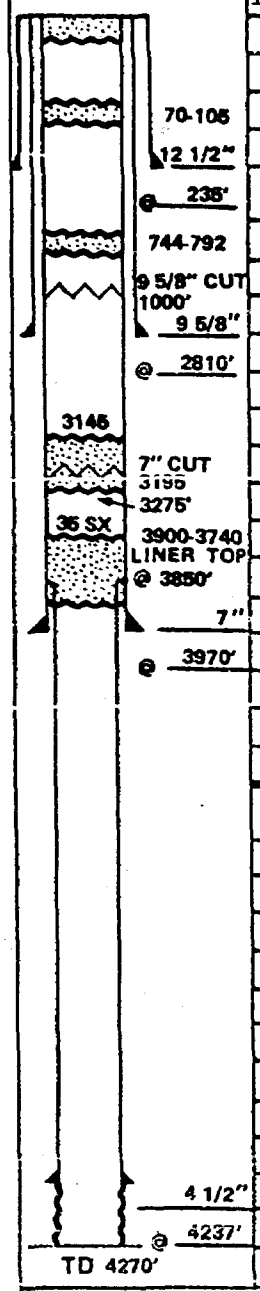
COMPLETION DATE 9/30 — SHELL McKINLEY "A" NO. 8 — COMPLETION INTERNAL: _____

P&A DATE 4/17/63 — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 1320' FEL — SECTION 19I — BLOCK _____

SURVEY T-18-S, R-38E — COUNTY Lea County, New Mexico

DATUM 3659' [DF] G.L. ELEV. _____ — TD 4270' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50 #	235	300	Circ.*	17"**
9 5/8"	36 #	2810	600	1046*	12 1/4"**
7"	24 #	3970	225	2398*	8 1/2"**
4 ½" lnr.	11.6 #	3850/4237	70	3699*	6"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G-SA	3970-4210	
	G-SA	4237-4270	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

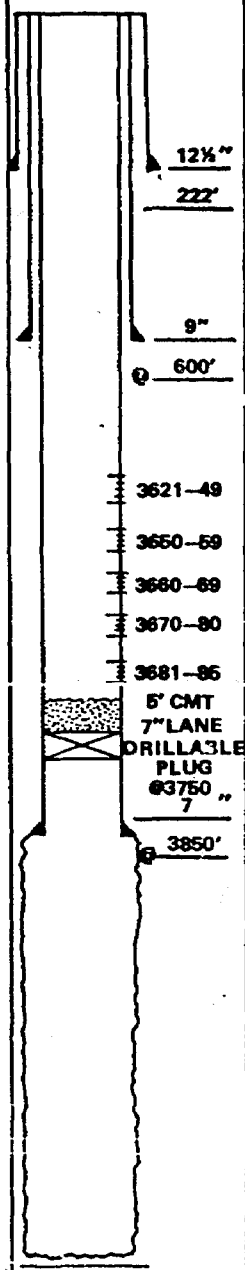
COMPLETION DATE 6-16-30 — SHELL ST. "A" # 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 8-20-41 — HOBBS (G/SA) FIELD

LOCATION 970' FNL & 330' FEL — SECTION 32 — BLOCK H

SURVEY T-18-S, R-38-E — COUNTY Lea

DATUM _____ [ ] G.L. ELEV. 3638 — TD 4175' — PBTD 3745' [ ]



CASING RECORD *CALCULATED AT 50% EFFICIENCY

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	222'	135	15'*	16"**
9"	35#	2755'	600	1045'*	10 1/2"**
7"	24#	3850'	200	3062'*	8 3/8"**

*EST **LOGGING RECORD**

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8-24	Bowers	3681-3685	5 - 9/16"
8-24	Bowers	3670-3680	16 - 9/16"
8-24	Bowers	3660-3669	11 - 9/16"
8-24	Bowers	3650-3659	8 - 9/16"
8-24	Bowers	3621-3649	15 - 9/16"

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 11 SX Aquagel

DATE: 7-79 JRK

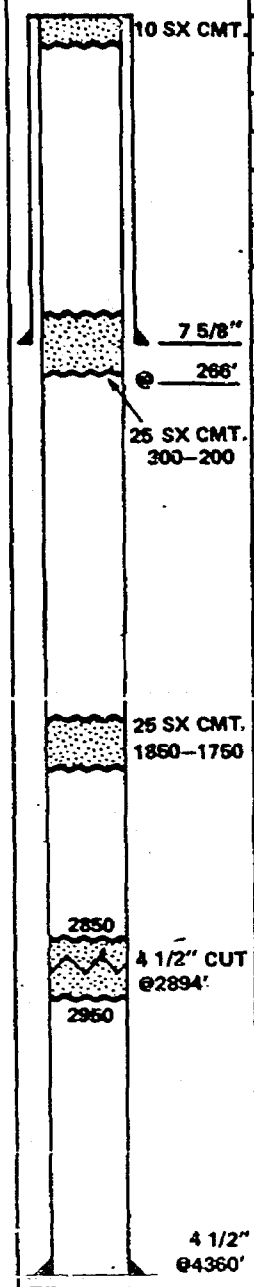
COMPLETION DATE D&A 1-62 — SHELL STATE "HG" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 3-30-62 — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330' FWL — SECTION 17D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3667' [DF] G.L. ELEV. _____ — TD 4360' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
7 5/8"	24#	266	230	Circ.	9 7/8"
4 1/2"	11.6#	4360	350	2074	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GCC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

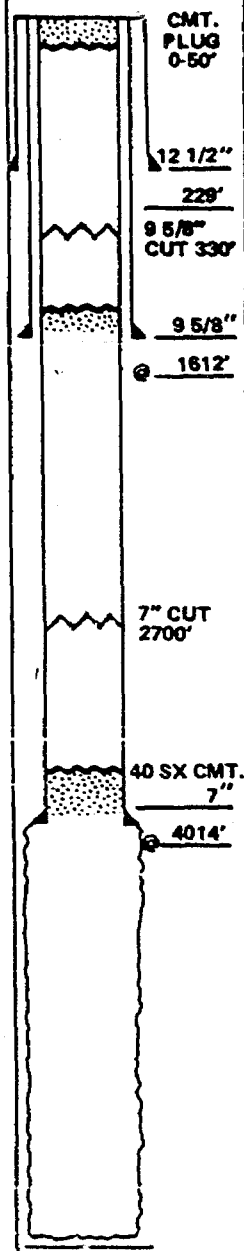
COMPLETION DATE 1-36 — SHELL STATE "E" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE ~~12/21/38~~ — HOBBS (G-SA) UNIT

LOCATION 4620' FNL & 330' FEL — SECTION 14P — BLOCK _____

SURVEY T-18-S, R-37-F — COUNTY Lea County, N.M.

DATUM 3686' [DF] G.L. ELEV. _____ — TD 4180' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	229	150	45*	17"
9 5/8"	36#	1612	650	Circ.*	12"
7"	24#	4014	280	2326*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/36	G-SA	4014-4180	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: ~~12/78 KLL~~

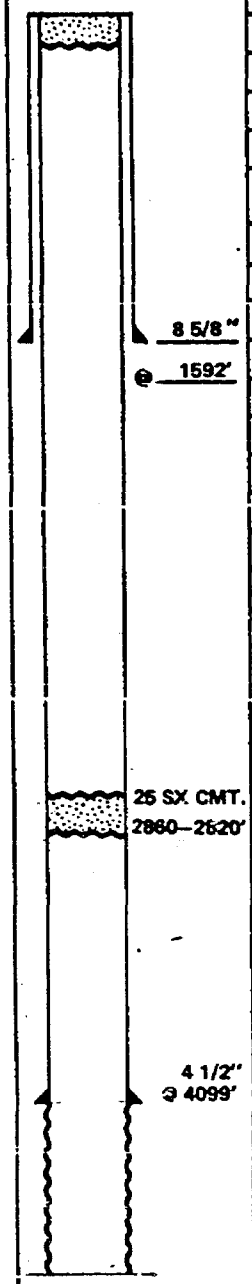
COMPLETION DATE 9/48 — SHELL STATE "F" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10/15/57 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 330' FEL — SECTION 23A — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3673' [DF] G.L. ELEV. _____ — TD 4150' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	1592	525	Circ.*	11"
4 1/2"	9.5#	4099	130	3249*	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	4099-4122	
	Bower	3300-3350	
		2745-2860	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:12/78 KLL

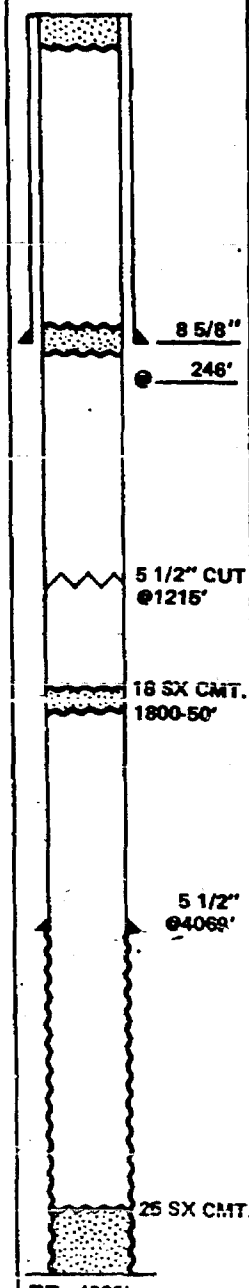
COMPLETION DATE 1/48 — SHELL SANGER NO. 1 (KING) — COMPLETION INTERNAL: _____

D&A DATE 1/48 — HOBBS (G-SA) UNIT

LOCATION 4637' FNL & 2638' FEL — SECTION 27 O — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3629' — TD 4286' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	246	200	Circ.*	11"
5 1/2"	14,17#	4069	350	2173*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/48	G-SA	4069-4286	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

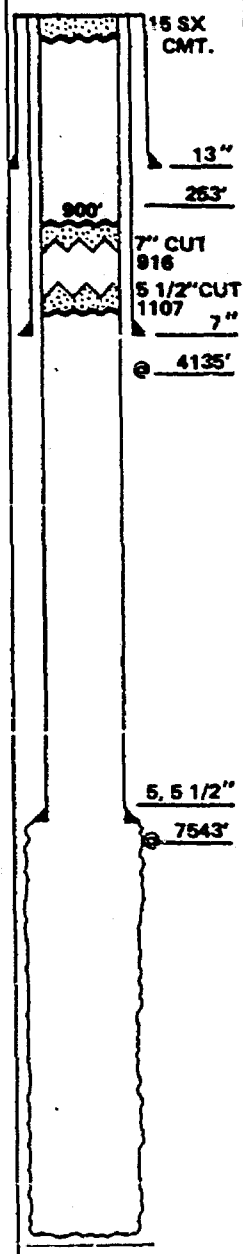
COMPLETION DATE 1-47 — SUN McKINLEY "B" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 2-15-47 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FWL — SECTION 20G — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3651' — TD 8010' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	253	150	Circ.*	16"
7"	24#	4135	875	1130*	9 7/8"
5, 5 1/2"	18, 15.5#	7543	350	4489*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
		7543-8010	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

WR-31-B-A

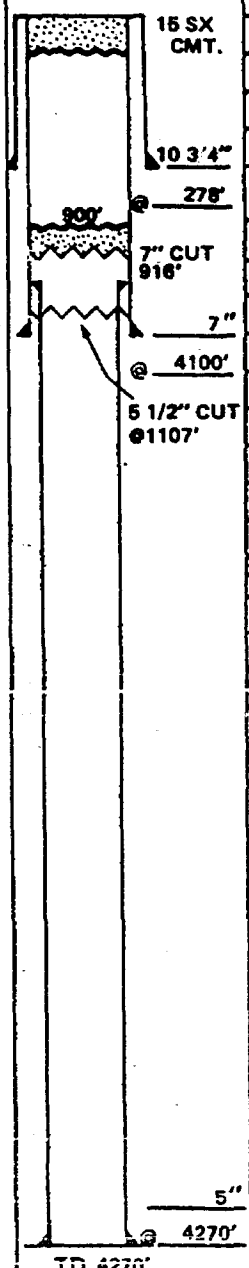
COMPLETION DATE 3-52 — SUN McKINLEY "B" NO. 1-A — COMPLETION INTERNAL: ____

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 1980' FEL — SECTION 20G — BLOCK ____

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

DATUM ____ [ ] G.L. ELEV. 3655' — TD 4270' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40.5#	278	125	Circ.*	13"
7"	20#	4100	350	1985*	8 3/4"
5"/nr.	15.5#	4050/4270	50	4050*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4147-90	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

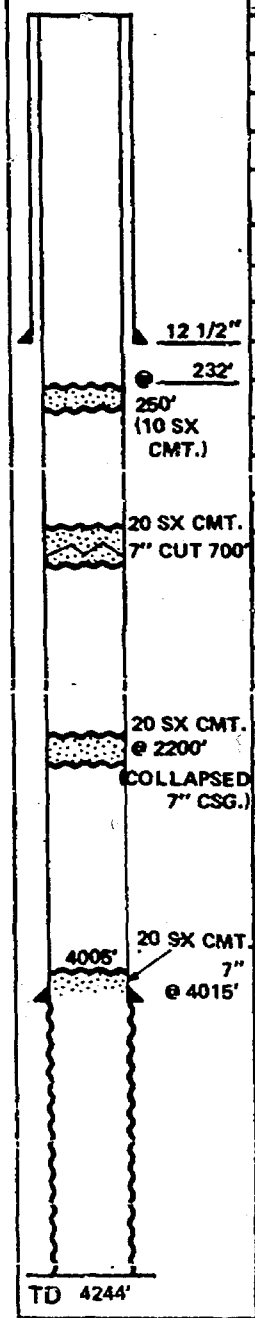
COMPLETION DATE 11-34 — C.H. SWEET-GRIMES NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 11-20-52 — HOBBS (G-SA) UNIT

LOCATION _____ SECTION 20I BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3647' TD 4244' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50 #	232	150	48*	17"**
7"	24 #	4015	550	699*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/34	G-SA	4015-4244	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

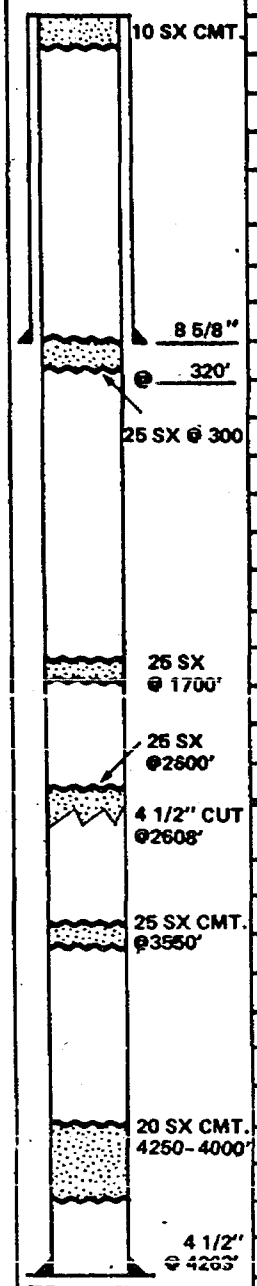
COMPLETION DATE 11/59 — WISER-GULF ST. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 6/18/65 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 1650' FEL — SECTION 26B — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3674' [DF] G.L. ELEV. _____ TD 4263' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	320	200	Circ.*	11"
4 1/2"	11.6#	4263	240	3321*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/59	G-SA	4000-4256	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

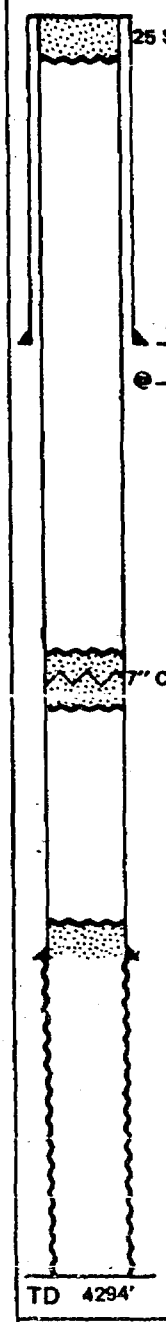
COMPLETION DATE 9-52 — ANTWEIL-MORRIS NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 11-52 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 330' FWL — SECTION 21E — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3457' [DF] G.L. ELEV. _____ TD 4294' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	283	150	55*	15"
7"	20#	4100	150	3196*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/52	G-SA	4100-4294	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KL

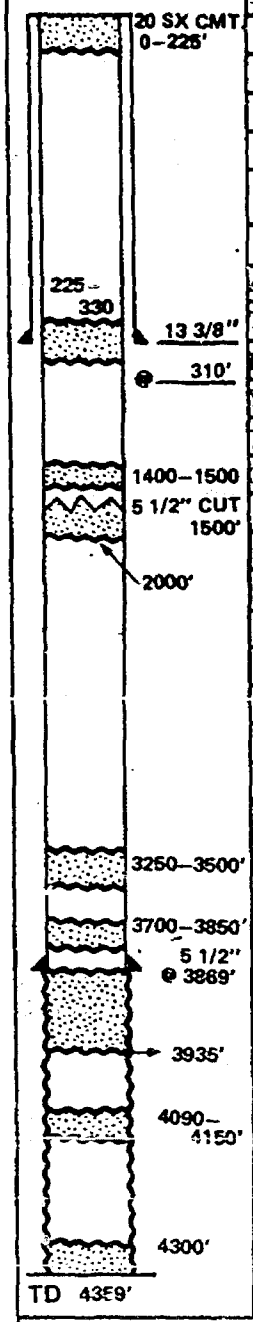
COMPLETION DATE 5-9-57 — CACTUS DRLG. PAN AM. NO. 1 — COMPLETION INTERNAL: P&A

P&A DATE 8-57 — HOBBS (G-SA) UNIT

LOCATION 335' FNL & 990' FWL — SECTION 26D — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3688' [DF] G.L. ELEV. — TD 4359' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	-	310	150	96 *	17 1/4"
5 1/2"	15.5 #	3869	150	*3099	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1712	
T Salt	1810	
B Salt	2780	
Yates	2938	
7 Riv	3217	
Queen	3792	
G	4251	-563
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/57	G	3869-4359	OH
		3785-3807	
		3450-3595	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:8-23-78 KI

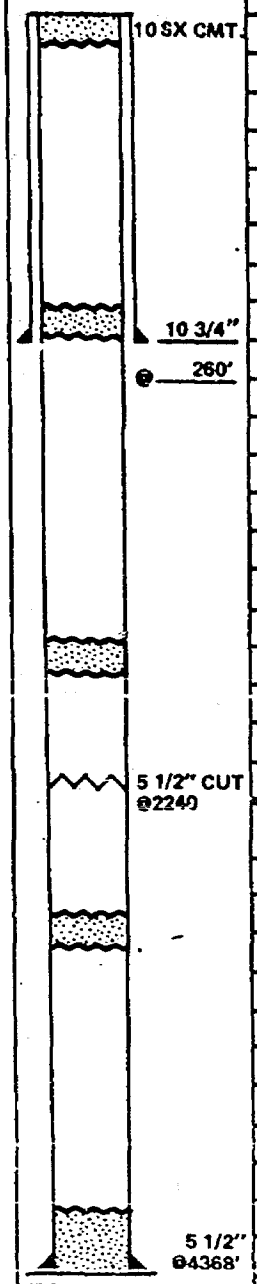
COMPLETION DATE 1/30/58 — R.D. COLLIER–PAN AM. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 6/13/58 — HOBBS (G–SA) UNIT

LOCATION 660' FSL & 660' FEL — SECTION 12P — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3680' [DF] — G.L. ELEV. _____ — TD 4368' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	24#	260	100	Circ.	15"**
5 1/2"	17#	4368	300	2828*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/58	G-SA	4291-4350	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

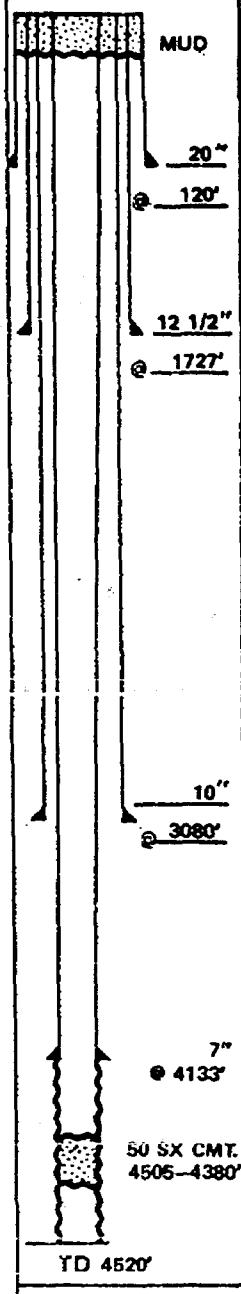
COMPLETION DATE 8/30 — LANDRETH PROD-STATE NO. 1-A — COMPLETION INTERNAL: _____

P&A DATE 8/7/31 — HOBBS (G-SA) UNIT

LOCATION 440' FSL & 2200' FEL — SECTION 7 0 — BLOCK _____

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

DATUM 3674' [DF] G.L. ELEV. _____ — TD 4520' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
20"	90#	120			
12 1/2"	50#	1727	Information		
10"	40#	3080	not available.		
7"	24#	4133			

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: No other well records available.

DATE:

Plugging Information not availabl

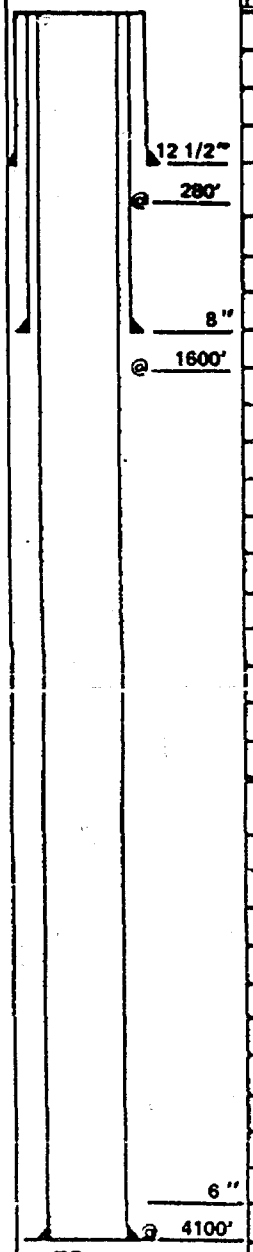
COMPLETION DATE _____ HOBBS HIGH INC-TATUMS NO. 1 COMPLETION INTERNAL: _____

P&A DATE 5/36 HOBBS (G-SA)UNIT

LOCATION 990' FSL & 330' FWL SECTION 35M BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3610' [DF] G.L. ELEV. _____ TD 4100' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"		280			
8"		1600	Information		
6"		4100	not available.		

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

CITY OF HOBBS

RESOLUTION NO. 2091

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE INDUSTRIAL WATER CONTRACT WITH SHELL OIL COMPANY

BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF HOBBS THAT:

The Mayor be and he is hereby authorized to execute on behalf of the City of Hobbs the original Industrial Water Contract between Shell Oil Company and the City of Hobbs dated June 1, 1978, effective upon execution of the Contract. A copy of the Contract is attached hereto and incorporated herein by reference.

INTRODUCED, PASSED AND APPROVED this 7 day of September, 1978.

Bill Mahorney
MAYOR

ATTEST:

Jarell Edmiston
CITY CLERK

PRESSURE MAINTENANCE PROJECT
EXHIBIT "12"

INDUSTRIAL WATER CONTRACT

DATED: JUNE 1, 1978

BETWEEN

SHELL OIL COMPANY

AND

CITY OF HOBBS

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AGREEMENT

This agreement made and entered into as of the 1st day of June, 1978, by and between the City of Hobbs, a municipal corporation, of Lea County, New Mexico, of the first part (hereinafter known as the City) and Shell Oil Company, a corporation, as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit, of the second part (hereinafter known as the Consumer).

WITNESSETH

WHEREAS, the City has constructed an Industrial Water Treatment Plant that produces an effluent of industrial process water from waste-water discharged into it from the Water Reclamation Facility and from the acquifer adjacent to the present Treatment Plants in Hobbs, New Mexico, and after such water is treated it is a desirable product for the Consumer which has a need for such water and can beneficially apply it to industrial usage.

NOW, THEREFORE, for and in consideration of the mutual covenants, promises and agreements herein contained and for other good and valuable consideration, the parties hereto agree as follows:

ARTICLE I

Definitions

Section 1. The term "day" as used in this agreement shall mean a period of twenty-four (24) consecutive hours beginning and ending at seven (7:00) o'clock A.M.

Section 2. The term "month" as used in this agreement shall mean the period beginning at seven o'clock (7:00) A.M. on the first day of a calendar month and ending at seven o'clock (7:00) A.M. on the first day of the next succeeding calendar month.

Section 3. The term "year" as used in this agreement shall mean the period beginning at seven o'clock (7:00) A.M. on the first day of a month and ending at seven o'clock (7:00) A.M. on the first day of the same month of the next succeeding year.

Section 4. The term "barrel" shall mean a volume equivalent to 42 U.S. gallons.

ARTICLE II

Commencement of Deliveries

The City shall have its facilities ready to deliver industrial water to Consumer October 1, 1979 or as the necessary government permits are acquired. Consumer shall begin payments no later than January 1, 1980.

ARTICLE III

Delivery Point and Pressure

Consumer shall provide, construct and maintain all equipment, pipeline and facilities necessary to receive the industrial water at a point in the northwest corner of the City's property on the existing fourteen (14) inch pipeline at a mutually agreeable point. Pressure at the point of delivery is not guaranteed.

ARTICLE IV

Quantity

Section 1. Subject to other articles of this agreement, the minimum quantity of industrial water to be delivered and received under this contract, designated as "annual contract quantity", shall be as listed.

Minimum Annual Contract Quantity:

Contract Year	Contract Quantity (Barrels)
1	18,250,000

Optional Minimum Annual Contract Quantity:

Contract Year	Contract Quantity (Barrels)
2	18,250,000
3	17,520,000
4	17,160,000
5	16,790,000
6	16,430,000
7	12,050,000
8	10,950,000
9	10,950,000
10	7,300,000
11	5,480,000

Optional Minimum Annual Contract Quantity (Continued)

Contract Year	Contract Quantity (Barrels)
12	5,480,000
13	3,650,000
14	3,650,000
15	3,650,000
16	3,650,000
17	3,650,000
18	3,650,000
19	3,650,000
20	3,650,000

Section 2. The Consumer shall not be required to take a continuous equal daily flow of industrial water and the City will not be required to produce a daily minimum quantity of industrial water provided the minimum quantity available for delivery during each monthly period will equal the amount of water that the Consumer covenants to purchase. Unless the City is provided with a tentative schedule of water demand by the Consumer, and acceptable to both parties, it will be assumed that monthly demand will be 1/12 of annual contract quantity.

Section 3. The Consumer shall have the first call on any quantity in excess of contract amounts of industrial water, at the existing contract price, that the City has available for sale, excepting such amounts as may be committed by contracts with other consumers and excepting such excess quantities as may be delivered under contracts heretofore entered into with other consumers.

Section 4. It is appreciated by both parties to this agreement that mechanical failures are possible and that production and delivery problems may be encountered by the Consumer in its pipeline system or injection wells and each agrees to cooperate with the other in efforts to remedy any system failures.

ARTICLE V

Quality

The City will provide industrial processed water with the following minimum quality standards.

Parameter	Maximum Concentration
CL_2	0.5 Mg/L
SS	25 ppm
Particle Size	25 Microns

ARTICLE VI

Metering

Consumer, at its sole cost, risk and expense shall install and maintain at the point of delivery on the City's property a flow meter of sufficient size and type to measure the contracted quantities of industrial water. Readings shall be taken daily by the City and will be available to the Consumer at its request. These readings will be used to compute the quantity for the billing period.

If for any reason, any of the measuring equipment is out of service, or out of repair, so that the volume of industrial water purchased can not be ascertained or computed from readings thereof, the volume of industrial water purchased during the period such equipment is out of service or repair shall be estimated and agreed upon by the parties hereto on the basis of the best data available.

ARTICLE VII

Price

Section 1. The City will sell and the Consumer will purchase the industrial water quantities indicated in Article IV based on a minimum monthly rate of one-twelfth (1/12) the annual quantity and a price of one and one-half cents (1-1/2¢) per barrel.

Section 2. So long as the Consumer is not in default, any minimum quantity of industrial water paid for but not taken in any monthly period may be accumulated and taken in any succeeding monthly period during the term of the contract at no additional cost to the Consumer, provided, that the City will not be required to produce such industrial water over and above its normal operating capacity to meet such accumulated demand.

Section 3. The City should have available for consumption at the point of discharge into Consumer's facilities, an amount of water equal to the quantity the Consumer agrees to purchase monthly. Any failure of the City to produce and have available such quantity of industrial water during any monthly period shall excuse the Consumer from its covenant to pay the minimum monthly charge for that month, the Consumer being liable only for the quantity consumed.

Section 4. Subject to all other provisions in this Article, Consumer shall pay, or cause to be paid, all taxes that may be appropriate from this sale.

ARTICLE VIII

Term

Section 1. The Consumer shall purchase the mentioned minimum quantities of industrial processed water for a minimum period commencing when Consumer is ready to receive such water, but not later than the date indicated in Article II, and ending December 31, 1980.

Section 2. The Consumer shall have, and the City hereby grants to the Consumer, the right at its option, at any time prior to six (6) months before the expiration of the agreement, to renew and extend this agreement for an additional term of two (2) years or more, and for successive such terms thereafter. In case the Consumer elects to renew and extend this agreement it shall signify its election by written notice mailed to the Hobbs City Manager within the time above limited. All terms, conditions and covenants contained in this agreement shall be applicable to such extensions, excepting that the annual contract quantity may be adjusted downward by Consumer and excepting that the price per barrel of water may be adjusted upward or downward based on any increase or decrease in operational costs or capital investment to supply such water. For purposes of such price adjustment, only such direct operational costs and capital investments as are necessary for production and availability of industrial water at the City's Industrial Water Treatment Plant shall be considered, and only a prorata portion of such costs and investments based on the total quantities of water produced and available (whether or not sold) at said

plant shall be attributed to water sold under this agreement. Consumer shall have a minimum of ninety (90) days notice and be supplied all records and/or design and economic data pertinent to increases in operational costs and additional capital investments and full information as to the total quantities of water produced and available at the plant.

Section 3. If the Consumer should not use the minimum contracted quantities of industrial water in the initial contract period ending December 31, 1980, or in any subsequent contract period, the unused portion will be carried into the next succeeding contract period with the Consumer paying the excess of the current unit (per barrel) price over the previous contract price and using this quantity of industrial water as a credit against the minimum annual contract quantity during the current contract period, with such credit quantity being distributed equally over the number of months involved in the current contract period.

ARTICLE IX

Payment

The Consumer shall pay monthly, within thirty (30) days of billing, for the quantity of industrial processed water consumed during the calendar month; however, at no time shall the cummulative amount paid be a smaller fraction of the total year's contract price than the fraction of the year which has expired. Consumer, at its request, may make monthly payments of 1/12 minimum annual quantities with a six-month adjustment period.

ARTICLE X

Force Majeure

Section 1. The term "force majeure" as employed herein shall mean Act of God, strikes, lockouts, or other industrial disturbances, act of the public enemy, wars, blockades, insurrections, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, washouts, arrests and restraints, and orders of the government, either Federal or State, civil or military, civil disturbances, explosions, sabotage, malicious mischief, breakage or accident to machinery or lines of pipe, freezing of wells or lines of pipe, temporary failure of water supply, temporary or permanent plugging of injection wells, inability of any party hereto to obtain

necessary materials, supplies or permits due to existing or future rules, regulations, orders, laws or proclamations of governmental authorities (both Federal and State), including both civil and military, and any other causes, whether of the kind herein enumerated or otherwise, not reasonably within the control of the party claiming suspension of obligations by reason of force majeure.

Section 2. It is understood and agreed that the settlement of strikes or other labor difficulties shall be entirely within the discretion of the party having the difficulty and that any requirement that force majeure shall be remedied with all reasonable dispatch shall not require the settlement of labor difficulties by acceding to the demands of the opposing party when such course is inadvisable in the discretion of the party having the difficulty.

Section 3. In the event either party hereto is rendered unable, wholly or in part, by force majeure to carry out its obligations under this contract, it is agreed that such party shall give notice and full particulars of such force majeure in writing or by telegraph to the other party; thereupon, the obligations of the party giving the notice, so far as they are affected by force majeure, shall be suspended during, but no longer than, the continuance of the force majeure. The affected party shall use all reasonable means to remedy the force majeure, if possible, with all reasonable dispatch.

Section 4. It is specifically agreed that in the event Consumer is at any time rendered unable, by reason of any action or inaction by Federal or State governmental authorities or other force majeure, to inject into the North Hobbs (Grayburg-San Andres) Unit during any month a quantity of water equal to 1/12 of the current minimum annual contract quantity, such minimum annual contract quantity shall be reduced for the current year by the number of barrels Consumer is unable to inject during each such month. It is further agreed that if such disability continues for any period of six (6) consecutive months or more, Consumer shall have the right, at its option, to terminate this agreement effective upon written notice to the City thereof.

ARTICLE XI

Defaults

Section 1. It is covenanted and agreed that if either party hereto shall fail to perform any of the covenants or obligations imposed upon it under and by virtue of this contract, then in such event the other party hereto may, at its option, terminate this contract by proceeding as hereinafter provided.

Section 2. The party not in default shall cause a written notice to be served on the party in default stating specifically the cause for terminating this contract and declaring it to be the intention of the party giving the notice to terminate the same; whereupon, the party in default shall have thirty (30) days after the service of the aforesaid notice in which to remedy or remove the cause or causes stated in the notice for terminating the contract, and if within said period of thirty (30) days the party in default does so remedy or remove said cause, then such notice shall be withdrawn and this contract shall continue in full force and effect. In case the party in default does not so remedy or remove the cause or causes or does not indemnify the party giving the notice for any and all consequences of such breach, within said period of thirty (30) days, then, at the option of the party giving the notice, this contract shall become null and void from and after the expiration of said period.

Section 3. Any cancellation of this contract pursuant to the provisions of this Article XI shall be without prejudice to the right of the City to collect any amounts then due from the Consumer for industrial water delivered prior to the time of cancellation and shall be without prejudice to the right of the Consumer to receive any industrial water for which it has paid but has not received, although entitled thereto, prior to the time of cancellation, and without waiver of any remedy to which the party not in default may be entitled for violation of this contract.

ARTICLE XII

Miscellaneous

Section 1. Each party shall hold the other party harmless from any and all damages and claims that may arise by reason of any negligence

on the part of the indemnifying party, its agents or employees, in going about the premises in performance of this agreement; and in case any action is brought against such other party for any acts solely involving the employees or agents of the indemnifying party, the indemnifying party shall assume full responsibility for the defense thereof.

Section 2. Neither party to this agreement shall assign this agreement in whole or in part without the written consent of the other, provided that Consumer's rights and obligations hereunder may at any time be formally assigned and transferred to the current operator of the North Hobbs (Grayburg-San Andres) Unit.

Section 3. This agreement is executed by Shell Oil Company as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit, in Lea County, New Mexico, acting for and on behalf of the unit working interest owners. It is hereby agreed that unless on or before January 1, 1980, (a) said unit has become effective, (b) this agreement has been approved by said working interest owners and (c) all necessary rights of way have been obtained by the unit, this agreement shall then terminate and be of no further force or effect unless otherwise mutually agreed by the parties hereto. If it should appear to Consumer at any time substantially in advance of said date that said conditions will not be met, Consumer shall notify the City thereof and if requested by the City, this agreement shall then be terminated by mutual agreement of the parties.

Section 4. All notices required under this agreement shall be considered as given when deposited in the U. S. Mail with sufficient postage thereon and addressed as follows:

CITY MANAGER
CITY OF HOBBS
P. O. BOX 1117
HOBBS, NEW MEXICO 88240

SHELL OIL COMPANY
P. O. BOX 991
HOUSTON, TEXAS 77001

IN WITNESS WHEREOF, the parties hereto execute this agreement as of the day and year first above written.

CITY OF HOBBS
A Municipal Corporation

By: _____
MAYOR

Approved as to form:

_____
CITY ATTORNEY

ATTEST:

_____
CITY CLERK

SHELL OIL COMPANY, a corporation,
as prospective operator of the
proposed North Hobbs (Grayburg-
San Andres) Unit

By: _____
R. D. Howard
Division Production Manager
Mid-Continent Division

PROPOSED

SPECIAL RULES AND REGULATIONS
FOR THE
NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
PRESSURE MAINTENANCE PROJECT

RULE 1. The project area of the North Hobbs (Grayburg-San Andres) Unit Pressure Maintenance Project shall consist of those basic project areas which are those proration units within the boundaries of the North Hobbs (Grayburg-San Andres) Unit upon which is located an injection well and any directly or diagonally offsetting proration unit which contains a producing well.

RULE 2. The project area shall receive a project area allowable, and said project area allowable shall be the sum of the basic project area allowable plus the water injection credit allowable.

RULE 3. The basic project area allowable shall be equal to 80 barrels of oil per day times the number of developed 40-acre proration units in the project area.

RULE 4. The water injection credit allowable shall be based upon the following formula:

$$\text{Water Injection Credit Allowable} = \left[\frac{\text{Net Water Injected}}{\text{Basic Project Area Allowable}} - 1 \right] \times \text{Basic Project Area Allowable}$$

Reservoir Voidage

The water injection credit allowable shall be calculated in accordance with the procedures and parameters depicted on Attachments "A" and "B".

In no event shall the water injection credit allowable be less than zero, i.e., negative numbers derived from application of the above formula shall be ignored.

RULE 5. The weighted average project area reservoir pressure shall be determined prior to commencement of injection of water into the reservoir and at least annually thereafter.

RULE 6. The project area allowable may be produced from the wells within the project area in any proportion provided, however, that any proration unit situated on the boundary of the North Hobbs (Grayburg-San Andres) Unit which proration unit is not directly or diagonally offset by a Grayburg-San Andres injection well outside said North Hobbs Unit or on the North Hobbs Unit boundary shall not be permitted to produce in excess of 80 barrels of oil per day.

RULE 7. Those wells within the North Hobbs Unit Area that are not included within the project area as defined above shall be prorated in accordance with the Rules and Regulations of the Division.

RULE 8. The Division Director shall have authority to approve, without notice and hearing, the drilling of wells at unorthodox locations anywhere within the unit boundary, provided however, no unorthodox location

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PRESSURE MAINTENANCE PROJECT
EXHIBIT "13"

shall be closer than ten feet to any quarter-quarter section line, and provided further, that no such unorthodox location shall be closer than 330 feet to the outer boundary of the unit area, unless such well is covered by a lease-line agreement with the operator of the lands offsetting such well, and a copy of the lease-line agreement accompanies the application for such unorthodox location, or unless such offset operator has waived objection to the proposed unorthodox location in writing, and his waiver accompanies the application.

RULE 9. No well shall be placed on water injection in the North Hobbs Unit Area unless the Division Director has approved such well for injection. Applications for injection approval shall be filed in accordance with Rule 701 of the Division Rules and Regulations.

RULE 10. Each newly drilled injection or producing well shall be equipped as follows:

a. Minimum of 350 feet of surface casing and production casing run to total depth (approximately 4500 feet) or

b. Surface casing cemented below the "red beds" (approximately 1600 ft.) and "production" casing run to total depth (approximately 4500 feet) or

c. Other procedures may be used after receiving administrative approval of the Director of the Oil Conservation Division.

All casing strings shall be cemented to the surface except that in any well in which an intermediate casing string has been run and cemented to the surface, the "production" string may be cemented back into the base of the intermediate casing.

RULE 11. Injection shall be accomplished through tubing installed in a packer set within 100 feet of the uppermost perforation, or in case of an open hole completion, 100 feet above the casing shoe. The injection tubing shall be corrosion protected by a non-reactive internal lining or coating. The casing-tubing annulus in each injection well shall be filled with an inert fluid and a surface pressure gauge or approved leak detection device shall be attached to the annulus.

RULE 12. The injection wells or system shall be equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 0.2 psi per foot of depth to the injection zone. The Division Director may administratively authorize a pressure limitation in excess of the above upon showing by the unit operator that such higher pressure will not result in fracturing of the confining strata.

RULE 13. All wells within the project area shall be equipped with risers or in some other acceptable manner as to facilitate the periodic testing of the bradenhead for pressure or fluid production.

RULE 14. The unit operator shall immediately notify the Supervisor of the Hobbs District Office of the Division of the failure of the tubing or packer in any of said injection wells, the leakage of water or oil from or

around any producing well, the leakage of water or oil from or around any plugged and abandoned well within the project area, or any other evidence of fluid migration from the injection zone, and shall take such timely steps as may be necessary or required to correct such failure or leakage.

RULE 15. Prior to placing any well on injection, other than a newly drilled well drilled under provision of Rule 9, a cement bond log shall be run on said well. Copies of all cement bond logs shall be sent to the Hobbs District Office of the Division. If any well is found to have an inadequate casing-cement bond, such measures as may be necessary to prevent leakage or migration of fluids from the Grayburg-San Andres reservoir shall be taken before placing the well on injection.

Where multiple casing strings prevent technical interpretation of bonding, the cement bond will be deemed adequate when the log shows acoustic coupling with the formation. In addition, radioactive tracer surveys, or any other acceptable survey presently available or developed in the future, that show no fluid migration out of the Grayburg-San Andres reservoir will be acceptable evidence of bonding.

NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
PRESSURE MAINTENANCE PROJECT

HOBBS (GRAYBURG-SAN ANDRES) POOL, LEA COUNTY, NEW MEXICO

WATER INJECTION CREDIT ALLOWABLE CALCULATION DATA

$$\text{Water Injection Credit Allowable} = \left[\frac{W_i - W_p}{BPAA \quad B_o + \frac{(R_p - R_s)}{(1{,}000)} B_g} - 1 \right] \times BPAA$$

W_i = _____ = Average daily water injection during previous month, barrels per day, project area only.

W_p = _____ = Average daily water produced during previous month, barrels per day, project area only.

BPAA = _____ = Basic project area allowable, 80 bopd x _____ (number of developed 40-acre tracts in project area).

P = _____ = Weighted average project area reservoir pressure, psig, from _____, 19__, survey data.

B_o = _____ = Oil formation volume factor, reservoir barrels per stock tank barrel (Attachment B).

R_p = _____ = Producing gas-oil ratio, cubic feet per barrel for previous month.

R_s = _____ = Solution gas-oil ratio, cubic feet per barrel (Attachment B).

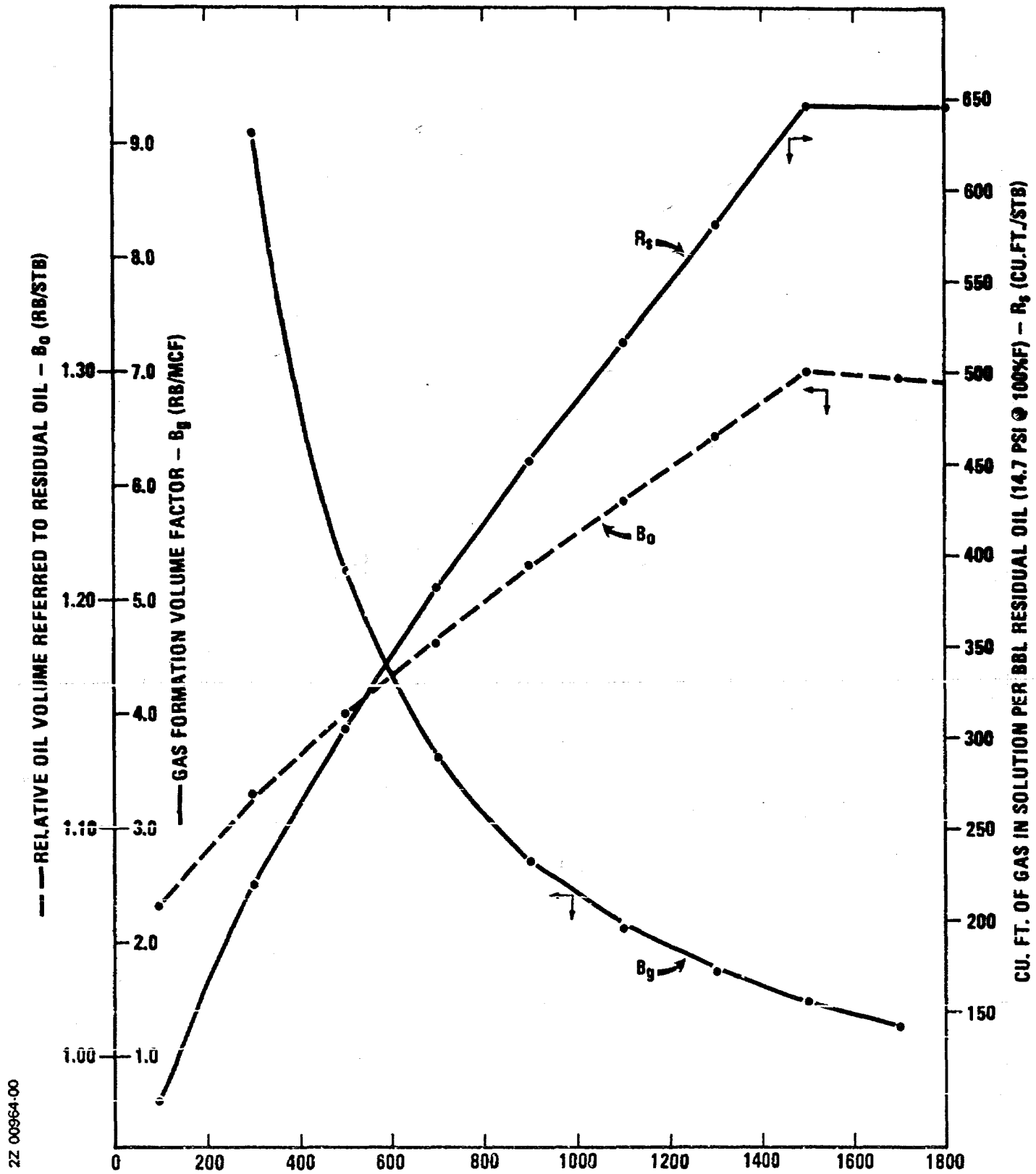
B_g = _____ = Gas formation volume factor, reservoir barrels per Mcf (Attachment B).

Water injection credit allowable for _____, 19__, = _____ barrels of oil per day.

ATTACHMENT A

OIL (B_o) AND GAS (B_g) FORMATION VOLUME FACTORS
AND GAS SOLUBILITY VS RESERVOIR PRESSURE

GRAYBURG–SAN ANDRES RESERVOIR
HOBBS FIELD
LEA COUNTY, NEW MEXICO



ATTACHMENT B

BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

APPLICATION OF SHELL OIL COMPANY FOR AUTHORITY TO INSTITUTE A PRESSURE MAINTENANCE PROJECT FOR THE NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT, LEA COUNTY, NEW MEXICO.

Case No. 6655

Rec'd 8/15/79

APPLICATION

Shell Oil Company hereby applies to the New Mexico Oil Conservation Division for an order authorizing it to institute a pressure maintenance project for the North Hobbs (Grayburg-San Andres) Unit, Lea County, New Mexico, and in support of its application states:

1. Shell Oil Company (Shell) is a Delaware corporation authorized to transact business in the State of New Mexico, and is engaged in the business of, among other things, producing and selling oil and gas.

2. The Project Area for which application is made consists of 10,649.53 acres, more or less, in Lea County, New Mexico, and is more particularly described in Exhibit "1" attached hereto and incorporated herein by reference. Shell proposes to seek an order pursuant to the New Mexico Statutory Unitization Act providing for the unitized management, operation and further development of the Project Area.

3. By converting certain presently producing wells, by shutting-in other producing wells and by drilling new wells, Shell proposes to inject fluids into the producing horizon known as the Grayburg-San Andres formation in the North Hobbs Unit, the vertical limits thereof being located between the depth of 3,698 feet and the depth of 4,500 feet beneath the surface as measured

on the Borehole Compensated Sonic-Gamma Ray Log run in the Shell Oil Company--State A-7 Well on July 9, 1969, said well being located 1,930 feet FNL and 660 feet FEL of Section 32, Township 18 South, Range 38 East, Lea County, New Mexico as shown on Exhibit "2" attached hereto and incorporated by reference. Also attached hereto and incorporated by reference as Exhibit "3" is a plat showing the location of all wells located within the Project Area which are proposed to be used as producing wells or, injection wells and those wells which are plugged and abandoned. In addition, said Exhibit "3" also shows all wells and lessees that are located within a two-mile radius of the proposed injection wells. Also attached hereto and incorporated by reference is Exhibit "4" which shows the proposed well numbering system, and the unit well number to be assigned existing wells in the event this application is granted. A diagrammatic sketch of the proposed injection wells showing all casing strings, including diameters and setting depths, quantities used and tops of cement, perforated or open hole intervals, and a diagrammatic sketch showing the manner in which the wells will be equipped for injection are attached hereto and incorporated by reference as Exhibits "5" and "6". Also attached hereto and incorporated by reference as Exhibit "7" is a tabulation showing all wells to be drilled and the location thereof, and the unit number within the Project Area. Additionally, attached hereto and incorporated by reference as Exhibit "8" are diagrammatic sketches showing how the proposed injectors and producers will be completed. Submitted to the Division with this application are all the logs of the proposed injection wells that are available, and attached hereto as Exhibit "9" is a list of those wells for which logs are not available.

4. A tabular summary of all wells located within one-half mile of the proposed injection wells and which penetrate the injection zone showing all casing strings, setting depths, sacks of cement used, cement tops, total depth, producing interval, well identification, and location is attached hereto and incorporated herein by reference as Exhibit "10". A schematic of all plugged and abandoned wells located within a one-half mile radius of the proposed injection wells which have penetrated the producing horizon with the size and location of all plugs and the date of abandonment is attached hereto as Exhibit "11".

5. The water to be used for injection for the pressure maintenance project shall be industrial process water from wastewater discharge to be purchased from the City of Hobbs, New Mexico, and water associated with the production of unitized substances. A copy of the Resolution authorizing the City of Hobbs to enter into an Agreement for water supply and a copy of the Agreement itself is attached hereto and incorporated herein by reference as Exhibit "12". It is projected that 115 million barrels of water from the City of Hobbs and 525 million barrels of produced water will be injected throughout the life of the pressure maintenance project.

6. Water is to be injected at a surface pressure not to exceed 0.2 psi per foot of depth to top of injection zone provided that surface pressure in excess of 0.2 psi per foot of depth to injection zone may be applied upon administrative approval of Secretary/Director of the Division after showing that such higher pressure will not result in fracturing of the confining strata.

7. Approval of this application and the adoption of special rules and regulations for the North Hobbs (Grayburg-San Andres) pressure maintenance project will substantially increase

recoverable reserves to be produced within the useful life of production facilities, thereby preventing waste and protecting correlative rights. A copy of proposed special rules and regulations is attached hereto as Exhibit "13".

WHEREFORE, Shell respectfully requests that this application be set for hearing before the Division at the earliest practicable date and that the Division enter its order approving the pressure maintenance project for the North Hobbs (Grayburg-San Andres) Unit, and that it also enter its order approving the proposed special unit rules and regulations.

MONTGOMERY, ANDREWS & HANNAHS, P.A.

BY _____
Owen M. Lopez
P. O. Box 2307
Santa Fe, New Mexico 87501

Attorneys for Shell Oil Company

PROPOSED UNIT AREA
NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
LEA COUNTY, NEW MEXICO

Township 18 South, Range 37 East, NMPM

Section 13: SE/4 and W/2
Section 14: All
Section 23: All
Section 24: All
Section 25: All
Section 26: E/2 NE/4 and NW/4 NE/4
Section 36: E/2 NW/4 and E/2

Township 18 South, Range 38 East, NMPM

Section 17: S/2 NW/4 and SW/4
Section 18: NE/4 and S/2
Section 19: All
Section 20: All
Section 21: SW/4 and S/2 SE/4 and NW/4 SE/4
Section 27: All
Section 28: All
Section 29: All
Section 30: All
Section 31: All
Section 32: All
Section 33: N/2 and SW/4 and W/2 SE/4 and NE/4 SE/4
Section 34: E/2 NW/4 and E/2

"Unitized Formation" shall mean that subsurface portion of the Unit Area Known as the Grayburg-San Andres formation of Permian Age found in the interval between the stratigraphic depth of 3698 feet as measured on the Borehole Compensated Sonic-Gamma Ray Log run in the Shell Oil Company - State A-7 well on July 9, 1969, said well being located 1930 feet FNL and 660 feet FEL of Section 32-T18S-R38E, Lea County, New Mexico, and the depth of 4500 feet beneath the surface.

PRESSURE MAINTENANCE PROJECT
EXHIBIT "1"

2U 00094-00

NORTH HOBBS (GRAYBURG – SAN ANDRES) UNIT

Lea County, New Mexico

R 37 E | R 38 E

0 1000' 2000'

LEGEND

- WELLS COMPLETED IN UNITIZED FORMATION
- UNIT BOUNDARY
- (57) TRACT NUMBER

TEXAS NEW MEXICO R.R.

T 18 S

T 19 S

R 38 E

SSURE MAINTENANCE PROJECT
EXHIBIT "1" - Page 2

PROPOSED NORTH HOBBS (G-SA) UNIT
PROPOSED FOR CONVERSION TO INJECTION

OPERATOR-LEASE	WELL NUMBER	PROPOSED WELL NUMBER
Amerada Hess		
Hardin	1	18-141
State "C"	1	36-411
State "C"	3	36-321
State "E"	1	24-121
State WH "B"	1	14-341
State WH "B"	2	14-231
Antweil		
Hobbs Cone Townsite	1	21-331
Atlantic		
Grimes "SOC"	2A	28-221
Grimes "SOC"	3	28-111
C&C Operating Corp.		
Shipp "A"	1	23-121
Chevron		
State "17"	1	17-131
Cities Service		
Fowler	2	31-311
Hardin	5	19-111
Continental		
Grimes	4	28-431
State "A-29"	1	29-331
State "B-13"	2	13-141
State "B-13"	4	13-221
Exxon		
Bowers "A" Fed. Com.	35	29-111
Grimes	1	29-411
New Mexico "A" State	1	25-431
New Mexico "A" State	5	25-341
New Mexico "A" State	6	25-231
Getty		
Fowler	1	31-211
Hardin	3	19-311
Hardin	4	19-411
Hobbs "E"	1	26-411
State "B"	2	14-321

PRESSURE MAINTENANCE PROJECT
EXHIBIT "5"

OPERATOR-LEASE	WELL NUMBER	PROPOSED WELL NUMBER
Gulf		
Grimes "B"	4	33-411
Hardin	5	18-331
Hardin	6	18-421
Hardin	7	18-311
Hardin	9	18-341
Holt NCT "D"	1	36-211
Marathon		
State 30	9	30-141
Mobil		
Berry	4	31-141
Moran		
Hobbs	1	34-421
Samedan		
State "B"	2	25-121
Shell		
Grimes	3	28-231
McKinley "B"	4	20-232
Rice	3	13-431
Sanger	6	27-111
State "D"	2	24-211
State "F"	2	23-321
Sun		
Fowler	4	31-121
Bill Sweet		
Bowers "B"	2-A	20-331
C. H. Sweet		
McKinley "B"	2	20-421
State "F"	1-A	23-411
State "F"	3	23-431
Texas Pacific		
State "V"	1	14-431
State "V"	3	23-211
State "V"	5	23-231
Yates		
Shell State	3	23-341

PROPOSED NORTH HOBBS (G-SA) UNIT
PROPOSED FOR CONVERSION TO INJECTION

Propoed Well Number	Operator-Lease	Well Number
13-141	Conoco St. "B-13"	2
13-221	Conoco St. "B-13"	4
13-431	Shell Rice	3
14-231	Amerada WH "B"	2
14-321	Getty State "B"	2
14-341	Amerada WH "B"	1
14-431	Texas Pacific State "V"	1
17-131	Chevron State "17"	1
18-141	Amerada Hardin	1
18-311	Gulf Hardin	7
18-331	Gulf Hardin	5
18-341	Gulf Hardin	9
18-421	Gulf Hardin	6
19-111	Cities Services Hardin	5
19-311	Getty Hardin	3
19-411	Getty Hardin	4
20-232	Shell McKinley "B"	4
20-331	Bill Sweet Bowers "B"	2-A
20-421	C. H. Sweet McKinley "B"	2
21-331	Antweil Hobbs Cone Townsite	1
23-121	C&C Operating Corp. Shipp "A"	1
23-211	Texas Pacific State "V"	3
23-231	Texas Pacific State "V"	5
23-321	Shell State "F"	2
23-341	Yates Shell State	3
23-411	C. H. Sweet State "F"	1-A
23-431	C. H. Sweet State "F"	3
24-121	Amerada State "E"	1
24-211	Shell State "D"	2
25-121	Samedan State "B"	2
25-231	Exxon New Mexico "A" State	6
25-341	Exxon New Mexico "A" State	5
25-431	Exxon New Mexico "A" State	1
2 26-411	Getty Hobbs "E"	1

Proposed Well Number	Operator-Lease	Well Number
2 27-111	Shell Sanger	6
28-111	Atlantic Grimes "SOC"	3
28-221	Atlantic Grimes "SOC"	2A
28-231	Shell Grimes	3
28-431	Conoco Grimes	4
29-111	Exxon Bowers "A" Fed. Com.	35
29-331	Conoco State "A-29"	1
29-411	Exxon Grimes	1
30-141	Marathon State 30	9
31-121	Sun Fowler	4
31-141	Mobil Berry	4
31-211	Getty Fowler	1
31-311	Cities Service Fowler	2
33-411	Gulf Grimes "B"	4
34-421	Moran Hobbs	1
36-211	Gulf Holt NCT "D"	1
36-321	Amerada State "C"	3
36-411	Amerada State "C"	1

PROPOSED WELL NO. 18-141

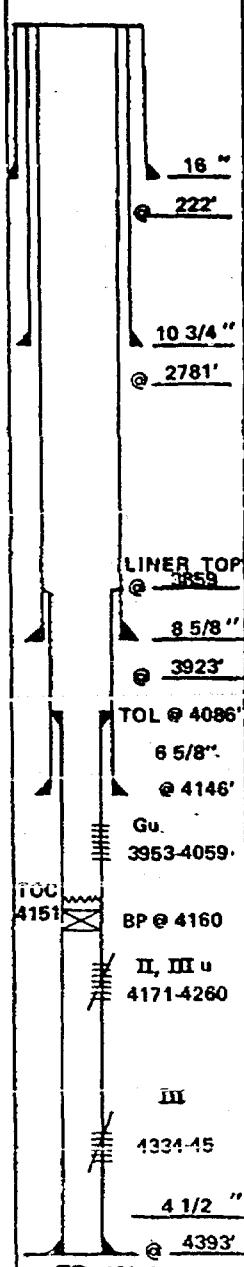
COMPLETION DATE 6-16-32 — AMERADA HARDIN NO. 1 — COMPLETION INTERNAL: 3953-4059(G)

RECOMPLETION DATE Deep. 9/40, 1/69 TA 1/76 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330 FWL — SECTION 18M — BLOCK

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

DATUM 3673 [DF] G.L. ELEV. — TD 4395' — PBTD 4151' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
16"	70#	222	250	Circ.*	18-1/2"*
10 3/4"	45#	2781	450	1656 *	13-1/2"*
8 5/8"	32#	3923	275	2133 *	10" **
6 5/8" liner		3859/4146	50	3859 *	8-1/4"**
4½" liner		4086/4393	100	4086 *	6-1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3946	-273
GL	4044	-371
I	4059	-386
II	4140	-467
IIIu	4205	-532
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/32		*3925-4158	OH
9/40		*4146-4219	OH
1/69	III	*4334-38, 4343-45	2 JPF
1/69	II, IIIu	*4171-74, 4210-12, 4230-40, 4254-60	2 JPF
1/75	Gu	3953-65, 3995-4000, 4006-22, 4032-58	2 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/69	4334-45	Sqz'd. w/50 SX cmt.
1/75	4171/4260	BP @ 4160' w/1 SK. cmt. to 4151'.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/40		500 gal.	AT		257BO
5/68		500 gal. SAE+2500gal	15% NEA		
1/69	4334-45	500 gal. 15% NEA	AT		-
1/69	4171/4260	1000 gal. 15% NEA	AT		
1/75	Gu	3000 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 6 5/8" hr., run 9-40, 4 1/2" hr. run 1/69

9-53: Ran BHP & Temp. surveys - no csg. leaks.

DATE 8/18/78 KLL

PROPOSED WELL NO. 36-411

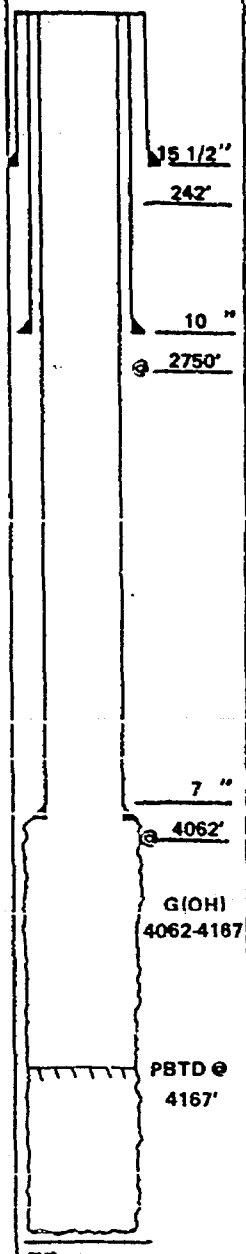
COMPLETION DATE 1/28/31 — AMERADA STATE C NO. 1 — COMPLETION INTERNAL: 4062-4167(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330 FEL SECTION 36 A BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3658' DF) G.L. ELEV. _____ TD 4236' PBTD 4167' ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	242	400	Circ.*	18"**
10"	45#	2750	500	1418*	12 3/4"**
7"	24#	4062	500	1038*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4053	-395
GL	4178	-520
I	4217	-559
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/31	G	4062-4167	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
4/54	4062/4236	Sqz'd w/100 SX; drld. out to 4167'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/54	G	2500 gal. 15% acid; 6000 x 6000 frac			
4/67	G	1000 gal. 15% NEA	AT		
3/68	G	500 gal. toluene + 500 gal. 15% reg.	AT		
5/68	G	6000 gal. 15% XFW	AT		
3/77	G	1000 gal. xylene, 7500 gal. 20%	NEA		33BO 99BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 3-77: Attempted to recover fish from OH-no results

DATE 8/18/78 KLL

PROPOSED WELL NO. 36-321

COMPLETION DATE 11/2/56 — AMERADA STATE C NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 10/74 (TA) — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL SECTION 36 C BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3663' [DF] G.L. ELEV. _____ TD 4293' PBTD 4280' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	374	350	Surf.	12 1/4
5 1/2"	15.5#	4286	400	2825'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1635	
T. Salt	1738	
B. Salt	2697	
Yates	2844	
7 Riv	3077	
Queen	3660	
Gu	4167	-504
GL	4274	-611
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

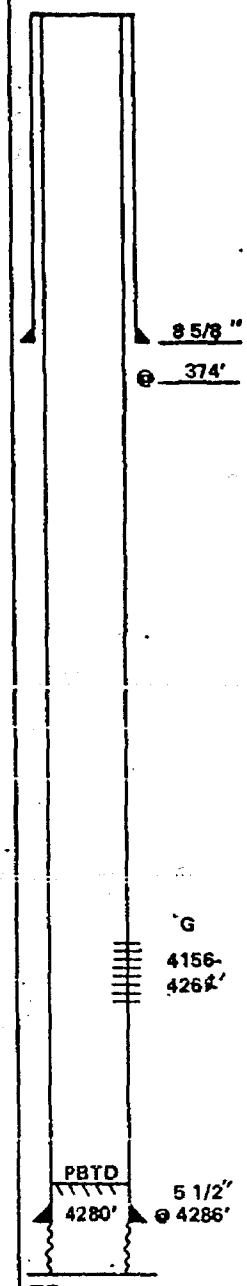
DATE	ZONE	DEPTHS	DENS & SIZE
11/56	G	4156-4224, 4240-48, 4253-62	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/56	G	1000 gal. 15%; 20,000	X 11,000 frac		64BO 17BW



OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78KLL

PROPOSED WELL NO. 24-121

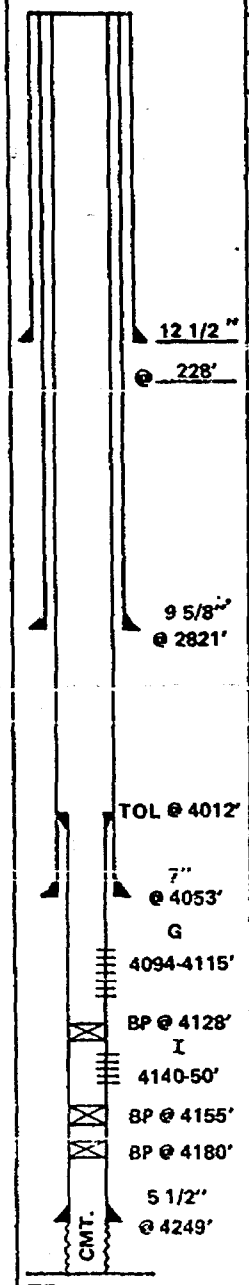
COMPLETION DATE 1/35 — AMERADA STATE E NO. 1 — COMPLETION INTERNAL: 4094-4115(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FWL SECTION 24E BLOCK ____

SURVEY T- -S, R-37-E COUNTY Lea County, N.M.

DATUM 3682' [DF] G.L. ELEV. ____ TD 4319' PBTD 4128' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	228	250	Circ.*	16"**
9 5/8'	36#	2821	450	1170*	11 3/4"**
7"	24#	4053	300	2239*	8 3/4"**
5 1/2" liner	14#	4012/4249	-		6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4010	-328
GL	4103	-421
I	4115	-433
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/35	G,I	4053-4240	OH
10/41	I	4212-34	3 SPF
10/41	I	4142-4206	42 holes
10/41	I	4140-50 (dense)	30 shots
8/74	G	4094-4115	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
19/41	4206	Set ret. + sqz'd. w/25 SX

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/35		2000 gal.	4053-4240		
10/41		3000 gal.			
8/74		1500 gal.	4094-4115		
3/76		3000 gal. 20%	4094-4115*		
8/75		2000 gal. 15%	4094-4115		

OPT 7292BO, 549 BW, 4260 MCFGD

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: *NMOCD shows 4140-50 also but believe ret. @ 4128'

DATE: 8/18/78 KL

PROPOSED WELL NO. 14-341

COMPLETION DATE 11/1/57 — AMERADA STATE WHB NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 9/3/74(TA) — HOBBS (G-SA) UNIT

LOCATION 660' FSL & 1650' FEL SECTION 14 O BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' DF] G.L. ELEV. _____ TD 4176' PBTD _____ [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	303	250	Surf	12 1/4"
5 1/2"	15.5#	4143	400	2610	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1600	
T. Salt	1699	
B. Salt	2632	
Yates	2778	
7 Riv	3012	
Queen	3575	
Penrose	3715	
Gu	4076	-388
GL	4153	-465
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

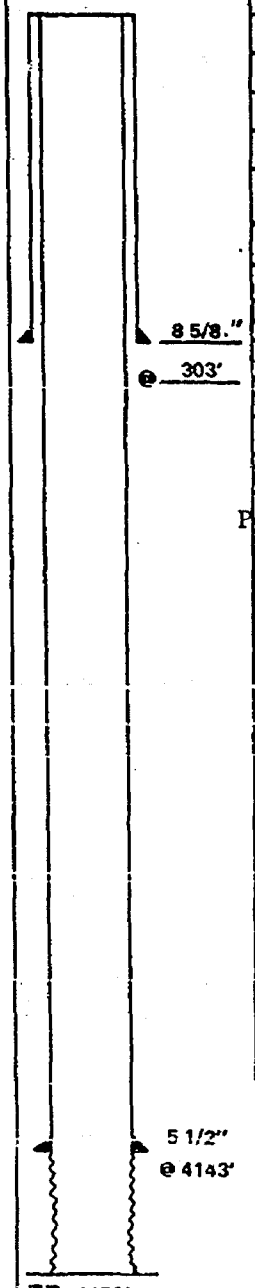
DATE	ZONE	DEPTHS	DENS & SIZE
10-57	G	4143-76	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	500 gal. 15%; 5000, X 5000 frac,			454BO
8/60	G	30,000 gal X 30,000 frac		22BO	71BO
8/74	G	1000 gal. 15% NEA			



OPT 454 BO

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78 KLL

PROPOSED WELL NO. 14-231

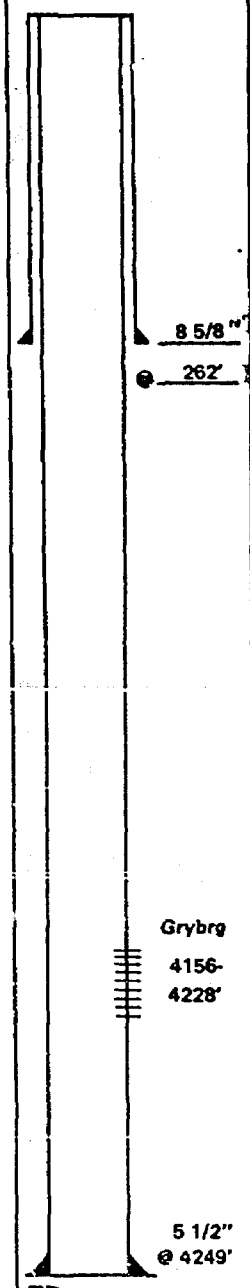
COMPLETION DATE 8/8/58 — AMERADA STATE WHB NO. 2 — COMPLETION INTERNAL: 4156-4228(G)

RECOMPLETION DATE 6/73 (TA) — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2310' FWL SECTION 14K BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3698' [DF] G.L. ELEV. TD 4250' PBTD 4247' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24,32#	262	250	Surf.	12 1/4"
5 1/2"	14#	4249	400	2705	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1643	
T.Salt	1745	
Salt	2694	
Yates	2840	
7 Riv	3080	
Gu	4212	-514
GL	4346	-648
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/58	G	4156-84, 4188-4208, 4214-28	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/58	G	1500 gal. 15%; 10,000X	10,000 frac.		6/80 38BW

OPT 113 BO

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:8/18/78KLL

PROPOSED WELL NO. 21-331

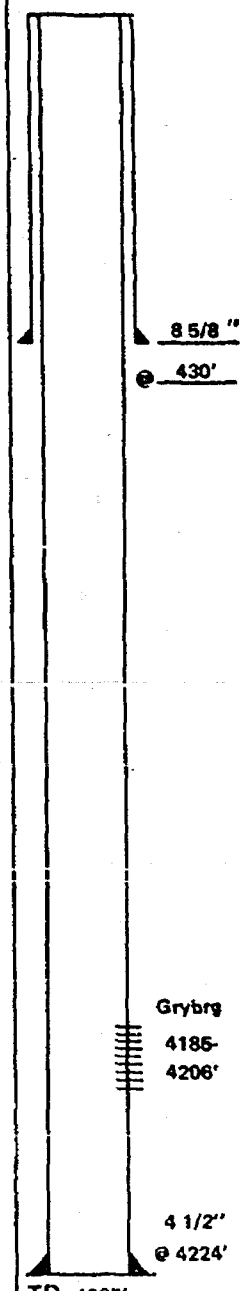
COMPLETION DATE 10/64 — ANTWEIL HOBBS CT NO. 1 — COMPLETION INTERNAL: 4185-4206' (G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2260' FEL SECTION 21 J BLOCK _____

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

DATUM 3647' (GL) G.L. ELEV. _____ TD 4225' PBTD 4222' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	20#	430	250	Circ.	11"
4 1/2"	9.5#	4224	485	2288*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4185, 4186, 4187, 4191, 92, 4193, 4194, 4195, 4203, 4204, 4205, 4206	12 holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
	G	1500 gal.; 20,000 gal	frac & 17,000# sd.		

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Deviation
Cored 4125-4219'

DATE: 8/18/78KLL

WR-3198 B

PROPOSED WELL NO. 28-221

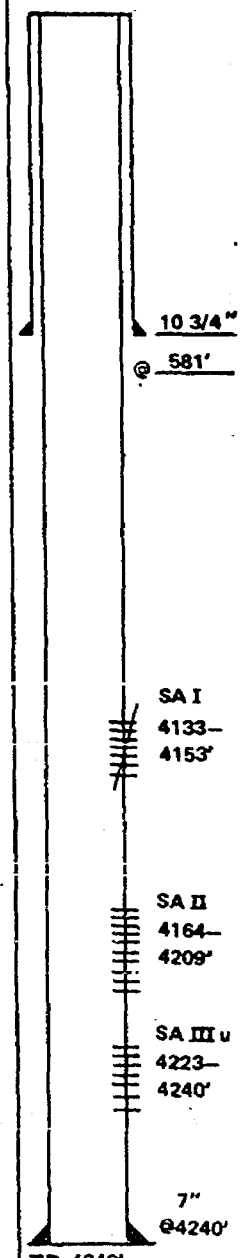
COMPLETION DATE 2-20-59 — ATLANTIC GRIMES SOC NO. 2-A — COMPLETION INTERNAL: 4164-4240(II) (IIIU)

RECOMPLETION DATE 7-1-71 — HOBBS (G-SA) UNIT

LOCATION 1910' FNL & 1650' FWL SECTION 28F BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3646' [GL] G.L. ELEV. TD 4240' PBTD 4238' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	581	600	Circ	15"
7"	20,23#	4240	682	*116	8 3/4'

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1614	
Yates	2715	
7 Riv	2936	
Queen	3474	
Penrose	3620	
GU	4012	-366
GL	4106	-460
I	4110	-464
II	4160	-514
IIIU	4218	-572
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/59	I	*4133-53	4 SPF
7/71	III	4223-28, 4232-40	
12/74	II	4164,72,76,82,85,93,95,	1 1/2" SPF
		4202,06,09	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/71	4133-53	Sqz'd w/25 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/59	I	500 gal.	AT		218BO,
					0BW
7/71		2000 gal. 15% LSTNE	AT	16BO,	52BO,
				67BW	4BW
12/74	III	2000 gal. 15% LSTNE	AT (4223-40')		35BO,
					1BW
12/74	II	2000 gal. 15% LSTNE	AT (4164-4209')		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Installed BOP on 12/17/74. Bradenhead leak 9/77, see attached report.

DATE:8-21-78 KLJ

PROPOSED WELL NO. 28-111

COMPLETION DATE 7/10/34 — ATLANTIC GRIMES SOC NO. 3 — COMPLETION INTERNAL: 4109-4121' (G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

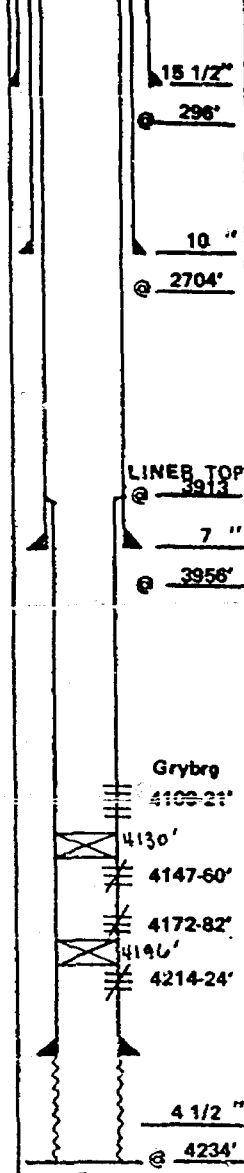
LOCATION 990' FNL & 330' FWL SECTION 28D BLOCK _____

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

DATUM 3646' [GL] G.L. ELEV. _____ TD 4280' PBTD 4130' [ ]

Deepened 9-22-35, 8-27-61

7-9-67



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15½"	70#	296	200	Circ.*	18"**
10"	45#	2704	150	2304*	12 3/4"**
7"	26#	3956	250	2244*	8 3/4"**
4½" lnr.	11.6#	3913/4234	50	393*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4024	-378
GL	4120	-474
I	4125	-479
II	4189	-543
IIIu	4254	-608
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/34		*3956-4225	OH
8/61	II	*4214-24	
2/65	I	*4172-82	
8/67	I	*4147, 4151, 4154, 57, 60	
9/67	G	4109, 11, 14, 17, 19, 21	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
2/65	4214-24	Retainer @ 4196' w/105 SX cmt.
6/67	4172-82	Sqz'd. w/100 SX cmt.
8/67	4234-80	(OH) - 100 SX cmt. to 4166'
9/67	4147-60	Retainer @ 4130' w/150 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
7/34		1000 gal.			
9/35		5000 gal.			
9/35		7000 gal.			
8/61		250 gal. (4214-24')		23BO 0BW	64BO 8BW
2/65	G	250 gal.			32BO 140BFW
7/67		500 gal. 15% NEA (4234-80')			2BO 106BFW
7/67		250 gal. 15% NEA (4254-80')	ISIP 150#		
7/67		500 gal. 15% NEA (4242-80')	ISIP 1700#		
8/67	I	250 gal. BDA			
9/67	G	500 gal. BDA	ISIP 1400#		
9/67	G	1500 gal. 15% LST	ISIP 750#		35BO 39BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78 KLT

PROPOSED WELL NO. 23-121

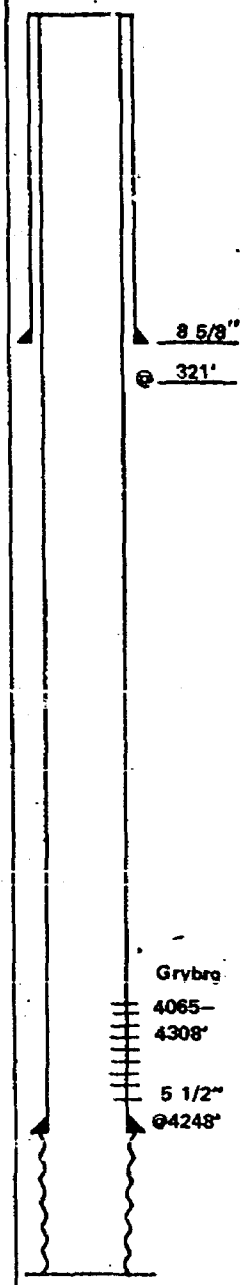
COMPLETION DATE 12-16-59 — C&C SHIPP A NO. 1 — COMPLETION INTERNAL: 4065-4308(G)

RECOMPLETION DATE Deepened 1-25-70 — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FWL SECTION 23E BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3691' [DF] G.L. ELEV. TD 4308' PBTD 4248' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	321	175	Circ.	11 1/4"
5 1/2"	14#	4248	425	2710	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2882	
7 Riv	3235	
Bowers	3460	
Queen	3715	
Penrose	3858	
GU	4176	-485
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/59	G	4065-4128, 4168-4230	
1/70	G	4248-4308	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/59	G	500 gal. AT; 10x10 frac			
		(4168-4230)			
		500 gal. AT; 10x10 frac			
		(4065-4128)			14BO
1/70	G	250 gal. AT	(OH)		

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PROPOSED WELL NO. 17-131

COMPLETION DATE 6-12-57 — CHEVRON STATE 17 NO. 1 — COMPLETION INTERNAL: 4127-87'(G)

RECOMPLETION DATE TA 6-73 — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 330' FWL SECTION 17L BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3668' [DF] G.L. ELEV. TD 4207' PBTD 4195' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	32, 36#	423	240	*Circ.	12 1/4"
7"	23#	4206	925	Circ.*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1650	
T Salt	1740	
B Salt	2750	
Yates	2794	
7 Riv	3025	
Queen	3600	
Penrose	3756	
GU	4105	-437
GL	4197	-529
I	4208	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

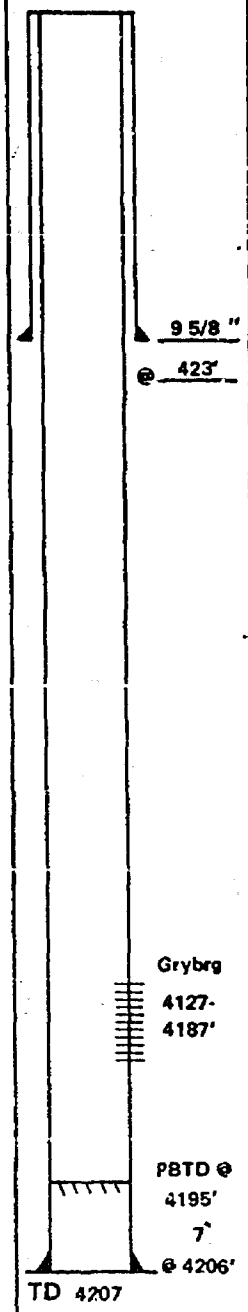
DATE	ZONE	DEPTHS	DENS & SIZE
7/57	G	4127-44, 4152-58	4 JPF
7/62	G	4166, 4174, 4187	Sandjetted

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
7/57	G	500 gal. MA; 15 X 22.5	FRAC		
7/62	G	15 X 22.5	FRAC		
				9BO	50BO,
					15BW



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-28-78 KL

PROPOSED WELL NO. 31-311

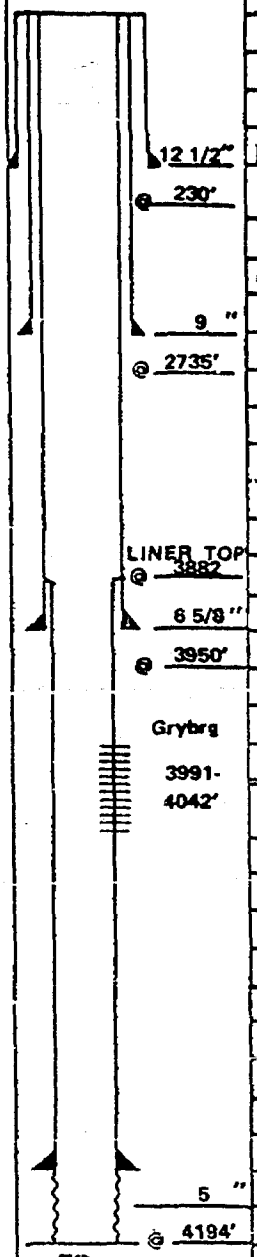
COMPLETION DATE 9/13/30 — CITIES SERVICE FOWLER NO. 2 — COMPLETION INTERNAL: 3991-4042'(G)

RECOMPLETION DATE TA 3-75 — HOBBS (G-SA) UNIT

LOCATION 440' FNL & 2310' FEL SECTION 31B BLOCK

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

DATUM 3649' [GL] G.L. ELEV. TD 4201' PBTD 4192' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	230	200	Circ.*	16"**
9"	36#	2735	500	1275*	11 3/4 **
6 5/8"	24#	3951	250	2227*	8 1/4" *
5"lnr	18#	3882/4194	35	3882*	6 1/4" **
Hydril	FJ				

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3924	-275
GL	4072	-423
I	4078	-429
II	4141	-492
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G	*3950-4201	OH
11/69	G	*3991, 3996, 4000, 37, 42	1 SPF
		4064, 4067	
11/69	G	3991, 3996, 4000, 37, 42	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/69	3991/4067	Sqz'd. w/50 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/70	G	3000 gal.	AT-3 stages		136 BW
8/70	G	3500 gal.	AT-3 stages		45BO 207BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: 9-1-53: 9" X 6 5/8" SIP 1000 psi. 32/64" ck. swab gas 3½ hrs. Last 2 hrs: stab. @ 97.8 MCF/D. Temp survey indicated gas coming from Yates.

DATE: 8/18/78KLL

WR-31986

PROPOSED WELL NO. 19-111

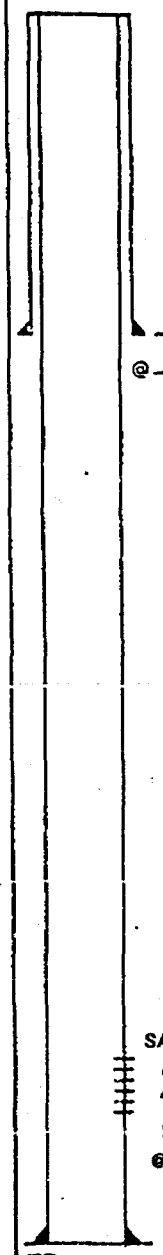
COMPLETION DATE 5-12-52 — CITIES SERVICE HARDIN NO.5 — COMPLETION INTERNAL: 4242-4248(IIIU)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 990' FWL SECTION 19D BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3671' [DF] G.L. ELEV. _____ TD 4255' PBTD 4253' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	251	200	Circ.	11"
5 1/2"	14 #	4254	1500	1108'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1490	
Salt	1585	
Br Li	2800	
GU	3923	-252
GL	4016	-345
I	4016	-345
II	4097	-426
IIIU	4164	-493
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/52	IIIU	4242-48'	6 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/52	IIIU	250 gal.	AT		272 BO
6/75	IIIU	2000 gal. 15% HCl	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: For csg. leak repair 6/75, see attached sheet.

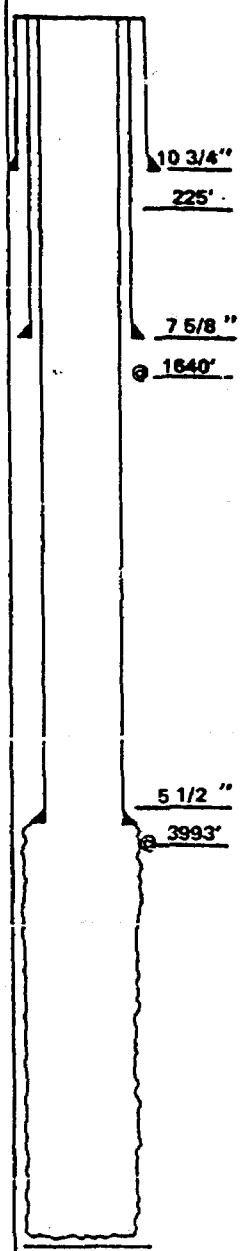
DATE: 8-21-78 KLL

COMPLETION DATE 9/6/35
RECOMPLETION DATE

PROPOSED WELL NO. 28-431
CONTINENTAL GRIMES NO. 4
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: 3993-4084 (G)
4084-4225 (SA)

LOCATION 990' FEL & 1650' FSL SECTION 28I BLOCK
SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico
DATUM 3648' [GL] G.L. ELEV. TD 4225' PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	225	150	Circ.*	13½"**
7 5/8"	26.4#	1640	400	Circ.*	9 5/8"**
5 1/2"	17 #	3993	400	1894*	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2730	
Buff	2850	
Hobbs	3600	
White	4085	
Is		
GU	3998	-350
GL	4083	-435
I	4088	-440
II	4157	-509
IIIU	4218	-570
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	3993-4084	OH
	I	4084-4156	OH
	II	4156-4213	OH
	IIIU	4213-4225	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
		3000 gal. Dowell xx			162 BO
		4000 gal.			173 BO
		5000 gal.			5437BO/D

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: 9-9-53: With TP @ 190 psi, 5 1/2" CP 1000 psi, 7 5/8" CP 200 psi, bradenhead was opened. Salt water flowed thru 7 5/8" csg. 5 min. & died. All pressure bled off 7 5/8" csg. & 5 1/2" CP remained @ 1000 psi.

DATE: 8-21-78 KJL

Well now producing

COMPLETION DATE 9-28-30
RECOMPLETION DATE 1-76 (TA)

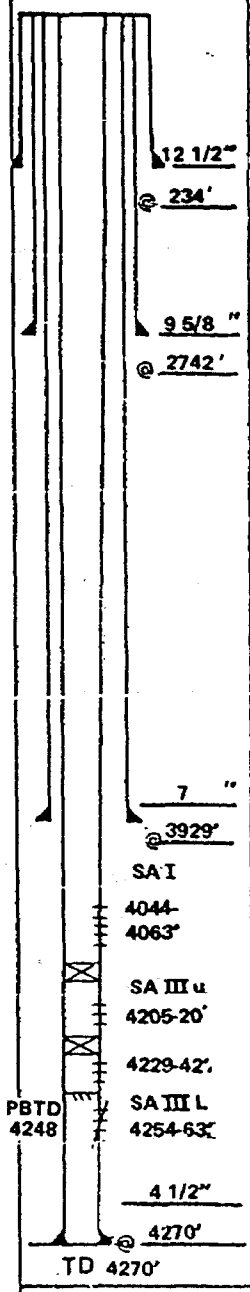
PROPOSED WELL NO. 29-331
CONTINENTAL STATE A-29 NO.1
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: 4044-4063(I) / 4205-4242(IIIU)

LOCATION 1650' FSL & 1650' FEL SECTION 29J BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3655' [DF] G.L. ELEV. TD 4270' PBTD 4248' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50	234	170	Circ.*	16"**
9 5/8"	40	2742	500	907*	11 3/4"**
7"	24	3929	300	2115*	8 3/4"**
4 1/2"	10.5	4270	750	*Circ.	6 1/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1530	
T Brn	2769	
T Salt	1670	
B Salt	2490	
BuffIs	2769	
Ector	3770	
GU	3902	-247
GL	3998	-343
I	4010	-355
II	4079	-424
IIIU	4149	-494
IIIL	4251	-596
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/75	IIIL	*4254-63	2 SPF
7/75	IIIU	4205-20, 4229-42	2 SPF
7/75	I	4044-52, 4058-63	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/75	4254-63	Sqz'd w/100 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/35		1000 gal.	AT		
8/35		2000 gal. (4121-78')	AT		
7/75		1250 gal. 28% (4254-63)	AT		
7/75		2000 gal. 28% (4205-42)	AT		
7/75		1000 gal. 28% (4044-63)	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Found holes in 7" csg. @ 250', 1230', 1424', 1468' & 1563'

DATE 8-22-78 KL

PROPOSED WELL NO. 13-141

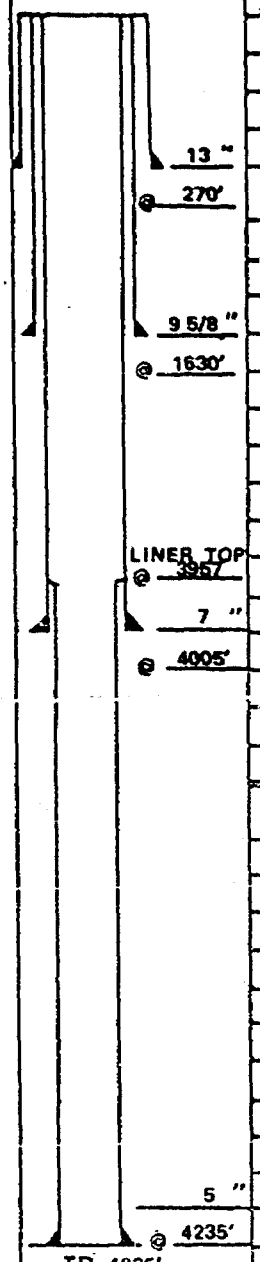
COMPLETION DATE 9/20/35 — **CONTINENTAL STATE B-13 NO. 2** — COMPLETION INTERNAL: 4002-4040

RECOMPLETION DATE 1-51 (TA) — **HOBBS (G-SA) UNIT**

LOCATION 660' FSL & 660' FWL SECTION 13M BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3684' [DF] G.L. ELEV. TD 4235' PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	270	200	Circ.*	16"**
9 5/8"	36#	1630	400	469*	12 1/4"**
7"	24#	4005	400	1586*	8 3/4"**
5"lnr.		3957/4235	75	3957*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3938	-254
GL	4049	-365
I	4087	-403
II	4174	-490
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT 6392 BOPD w/10 mm ft^3 gas

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Poss. GL

(See Attached)

DATE: 8/18/78KLL

PROPOSED WELL NO. 13-221

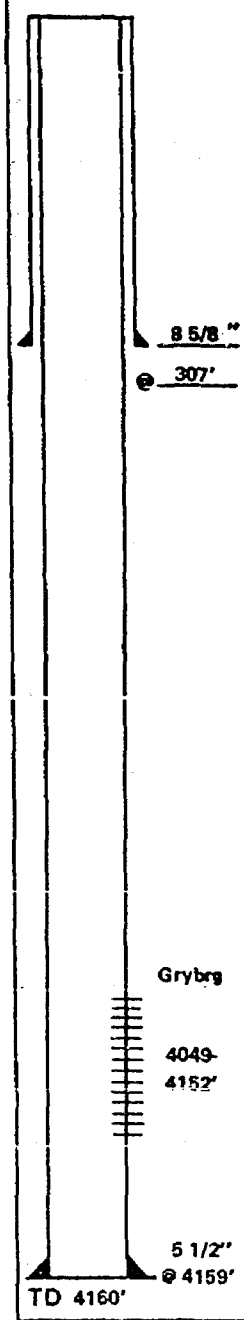
COMPLETION DATE 4/1/57 — CONTINENTAL STATE B-13 NO. 4 — COMPLETION INTERNAL: 40494152(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1980' FNL' & 1980' FWL SECTION 13 F BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' [DF] G.L. ELEV. _____ TD 4160' PBTD 4156' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	307	300	Circ.	11"**
5 1/2"	14#	4159	1700	1750	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1555	
T. Salt	1655	
B. Salt	2610	
Yates	2758	
7 Riv	3018	
Queen	3552	
Gu	4049	-361
GL	4152	-464
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/57	G	4049-64	60 shots
		4070-74	16 shots
		4076-82	24 shots
		4100-10	40 shots
		4114-18	16 shots
		4122-24	8 shots
		4140-52 SQUEEZE & REPAIR	32 shots

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
	4140-52	3000 gal. AT			
	4100-22	6000 ga. frac + 6000#	sd		
	4049-82	6000 gal. frac + 6000#	sd		170BO

OPT 170BO

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: S/I 8/20/74 due to uneconomical reasons.
Future plans: hold for secondary recovery

DATE 8/18/78KLL

WR-31988

PROPOSED WELL NO. 29-111

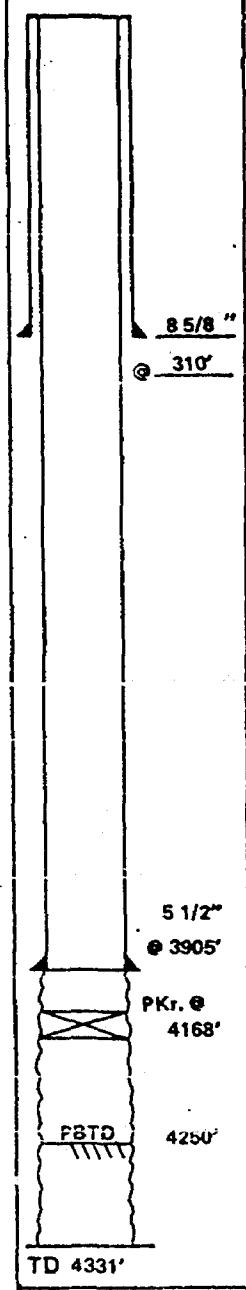
COMPLETION DATE 12-1-71 — EXXON BOWERS A FED. COM. NO. 35 — COMPLETION INTERNAL: 4168-4250'

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330 FWL — SECTION 29D — BLOCK _____

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

DATUM 3662' [DF] G.L. ELEV. _____ TD 4331' PBTD 4250' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	310	150	Circ.	11"
5 1/2"	14#	3905	300	*2331*	7 7/8"
13 3/4"	21' of conductor w/2 yds. heavy wt				

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3988	-310
GL	4092	-430
I	4110	-448
II	4168	-506
IIIu	4240	-578
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-71	II	4168-4239	OH
"	IIIu	4239-4250	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PROPOSED WELL NO. 29-411

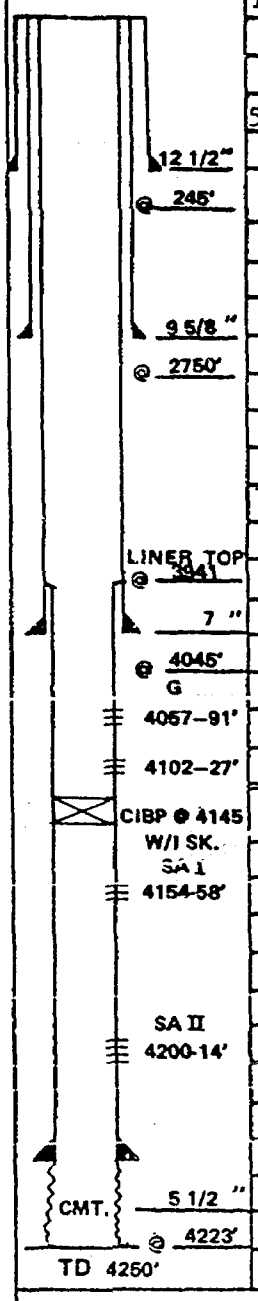
COMPLETION DATE 10-16-30 — EXXON GRIMES NO. 1 — COMPLETION INTERNAL: G 4102-4127

RECOMPLETION DATE — HOBBS (G-SA) UNIT — 4154-4158 I

LOCATION 990' FNL & 990' FEL SECTION 29A BLOCK 4200-4214 II

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3647' [GL] G.L. ELEV. — TD 4250' PBTD 4145' [CIBP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	245	250	Circ.	16"**
9 5/8'	36#	2750	650	365*	11 3/4"**
7"	26#	4045	300	2231*	8 3/4"**
5½" lnr.		3941/			
		4223	30	3941*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4013	-366
GL	4118	-471
I	4127	-480
II	4186	-539
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/57	G	4102-27	
5/72	I	4154-58	1 SPF
9/62	II	4200-14	2 SPF
		*4223-50 (OH)	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
9/62	4223-50	Sqz'd w/50 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/34		1000 gal. AT	4045-50' (OH)		
10/42		1000 gal. AT	4223-50' (OH)		
6/47		2000 gal. AT	4223-50' (OH)		
11/57		2500 gal. AT	4102-27'		
9/62		1000 gal. AT	4200-14'		
11/77		2000 gal. AT	4057-91'		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Tested 9 5/8" - 7" annulus 9/16/53 100# bled down <1 min.

Bleeder line from bradenhead to surf. 12/57.

DATE: 8-22-78 KL

PROPOSED WELL NO. 25-431

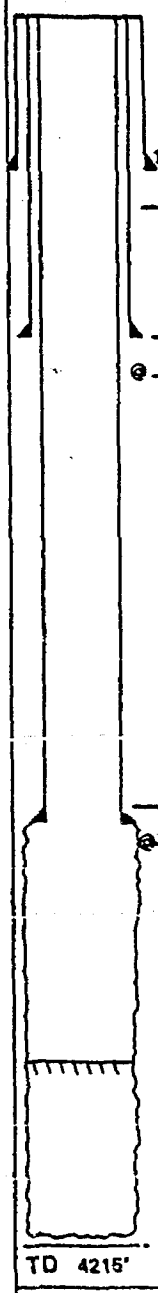
COMPLETION DATE 10/21/30 — EXXON N.M. STATE NO. 1 — COMPLETION INTERNAL: 3977-4095

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 330' FEL & 2310' FSL — SECTION 25I — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3649' [GL] G.L. ELEV. _____ TD 4215' PBTD 4095 [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	215	260	Circ.*	16"**
9 5/8'	36#	2750	650	365	11 3/4"**
7"	26#	3977	300	2163*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
		RA	

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1490	
T.Salt	1670	
B.Salt	2649	
Gu	3959	-310
GL	4047	-398
I	4077	-428
II	4167	-518
IIIu	4241	-592
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/30	G	3977-4095	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/72		4500 gal. 20%	Tbg-csg. annulus		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Has had annulus pressure flow

(See Attached) — DATE 8/18/78 KLI

1

COMPLETION DATE 12/5/53 — PROPOSED WELL NO. 25-341 — COMPLETION INTERNAL: 4095-4210(G)

RECOMPLETION DATE —

EXXON N.M. STATE NO. 5

HOBBS (G-SA) UNIT

LOCATION 660' FSL & 1650' FEL SECTION 25 O BLOCK —

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3667' [GL] G.L. ELEV. 3656' TD 4220' PBTD 4220 [ ]

*CALCULATED **ESTIMATE

CASING RECORD

SIZE	WT. (used)	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	29, 32#	1639	900	Circ.	11"
5 1/2"	15.5#	4220	1100	1620	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Bowers	3339	
Queen	3742	
Gu	4088	-421
GL	4192	-525
I	4212	-545
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

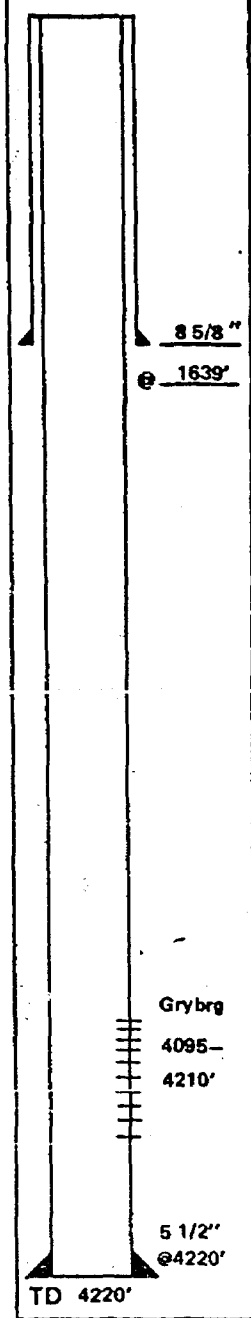
DATE	ZONE	DEPTHS	DENS & SIZE
11/53	G	4095-4150	4 JPF
11/53	G	4170-4210	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/53	G	5000 gal (4170-4210)			
11/53	G	4000 gal. (4170-4220)			
8/59	G	5300 gal. frac + 13,000# sd.		21BO	36 BO
8/64	G	15000 gal. frac + 26,400# sd.		24BO 3BW	41BO 42BW
7/71	G	AT - unknown volume			



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE: 8/18/78 KLL

PROPOSED WELL NO. 25-231

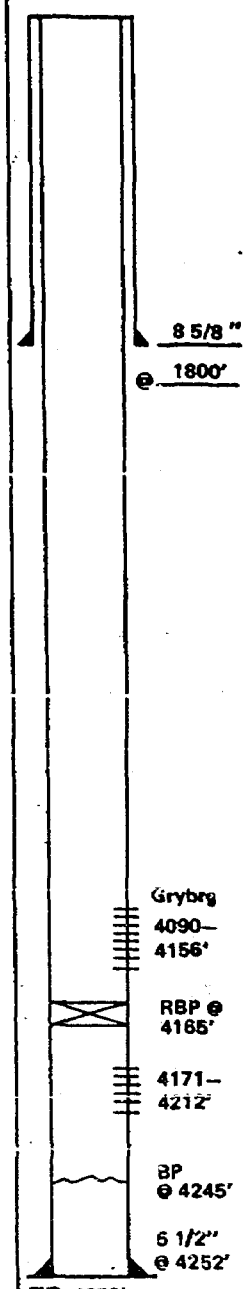
COMPLETION DATE 3-1-55 — EXXON N.M. STATE NO. 6 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 2310' FWL SECTION 25 K BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3670' [DF] G.L. ELEV. _____ TD 4253' PBTD 4245' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	1800	1000	Circ.	11"
5 1/2"	14#	4252	1250	Circ.	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1625	
Yates	2814	
Queen	3778	
Gu	4114	-444
GL	4207	-537
I	4222	-552
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/55	G	4090-4156	4 JPF
2/55	G	4171-4212	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/55	G	7000 gal	AT-2 stages		140BO
1/60		5 X 7.5 frac (4090-4156 above RBP)			
9/69		36 X 46 frac (4090-4156?)			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Line to surf. from bradenhead 12-57.

DATE 8/18/78 KLI

1

PROPOSED WELL NO. 31-211

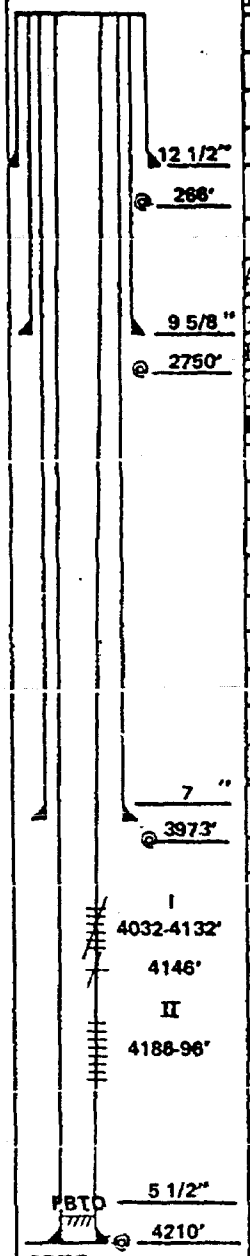
COMPLETION DATE 9-14-30 — GETTY FOWLER NO. 1 — COMPLETION INTERNAL: 4186-4196(II)

RECOMPLETION DATE 10-18-71 — HOBBS (G-SA) UNIT

LOCATION 440' FNL & 2310' FWL SECTION 31C BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3651' [DF] G.L. ELEV. TD 4215' PBTD 4200' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	266	185	Circ.*	16" **
9 5/8"	36#	2750	400	1282*	11 3/4"**
7"	24#	3973	450	1252*	8 3/4"**
5"		4210	100	3025*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1460	
T Salt	1610	
B Salt	2532	
T Brn	2800	
Ector	3782	
GU	3958	-307
GL	4108	-457
I	4115	-464
II	4167	-516
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G,I,II	*3973-4215	OH
6/54	I	*4146	3 Holes
7/54	I	*4032-4132	
8/76	II	4186-96	6 Holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/54	4146	Sqz'd w/100 sx cmt. @ 6200#
6/74	4032/4196	Sqz'd w/115 sx Visqueeze Mark II
8/76	4186-96	Sqz'd w/80 sx Visqueeze Mark II

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/71	II	500 gal.	AT		112BO,
					74BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: High water prod.; prod. Zn+ comm.

DATE: 9-12-78 KLL

PROPOSED WELL NO. 19-311

COMPLETION DATE 11-10-30 — GETTY HARDIN NO. 3 — COMPLETION INTERNAL: 3952-4086(G) 4086-4097(SA)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1309' FNL & 2310' FEL SECTION 19B BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3667' (GL) G.L. ELEV. TD 4222' PBTD 4097 [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	217	200	Circ.*	16"**
9 5/8"	36#	2750	600	548*	11 3/4"**
7"	24#	3952	300	2138*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3984	-317
GL	4080	-413
I	4086	-419
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	3952-4086	OH
	I	4086-4097	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/42	4127-29	Formation Packer

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/72		13x22.5 frac.	ISIP 2000#		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Welded bradenhead between surf. and intermediate. Installed bleeder line to surf. 11/18/57. Repaired csg leak 2/12/43 per attached.

DATE 8-21-78 KL

PROPOSED WELL NO. 19-411

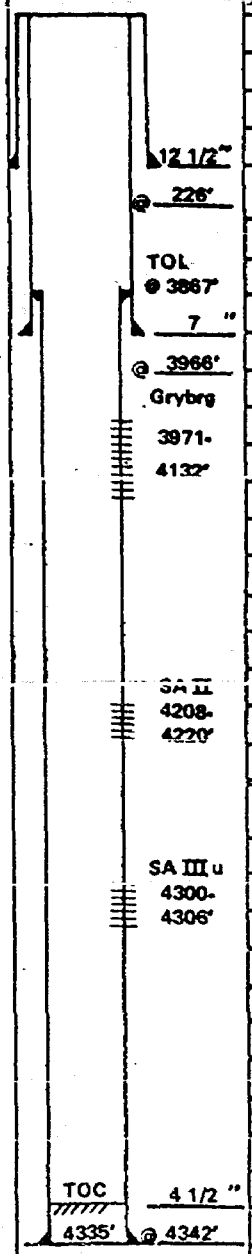
COMPLETION DATE 2-16-33 — GETTY HARDIN NO. 4 — COMPLETION INTERNAL: 3971-4108(G), 4128-4132(I), 4208-4248(II), 4300-4306(IIIU)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1300' FNL & 1300' FEL — SECTION 19A — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3662' [DF] G.L. ELEV. — TD 4342' — PBTD 4335' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	226	200	*Circ.	18 1/4"
7"	36#	3966	700	*Circ.	8 3/4"**
4½" lnr.		3867/ 4342	100	*3867	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
		G-N	

LOG TOPS

ZONE	TOP	SUBSEA
GU	4013	-350
GL	4112	-449
I	4120	-457
II	4192	-529
IIIU	4254	-591
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/33	G,I,II	*3966-4231'	OH
12/61	II,IIIU	4235-48'	
8/70	G,I	3971,87, 4009,38,46,50,	1 SPF
		66,89, 4100,08,28,32	
10/71	II	4208-4220	
1/65	IIIU	4300-06	1 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/70	G, I	1250 gal.	AT		
10/71	II	1000gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8-22-78 KLE

PROPOSED WELL NO. 26-411

COMPLETION DATE 10/1/56 — GETTY HOBBS E NO. 1 — COMPLETION INTERNAL: 4163-4199(G) 4214-4276(SA)

RECOMPLETION DATE 8/6/69(Deep.) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330' FEL SECTION 26A BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3679' [DF] G.L. ELEV. TD 4276' PBTD [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	393	200	Circ.	11"
5 1/2"	14#	4256	400	2157*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

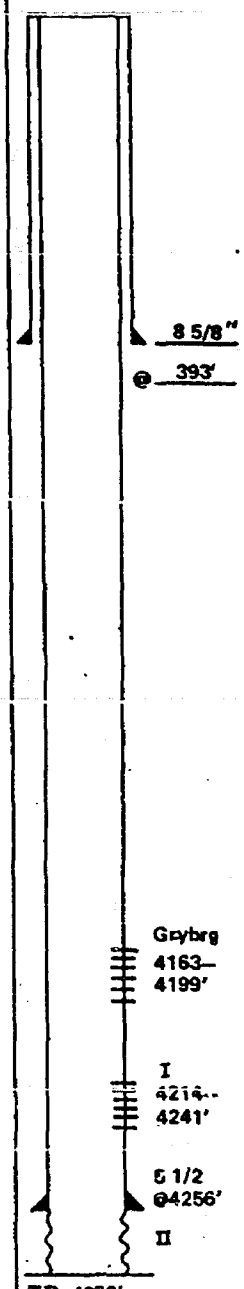
ZONE	TOP	SUBSEA
Anhy	1650	
T.Salt	1752	
B.Salt	2713	
Yates	2853	
7 Riv.	3190	
Queen	3644	
Gu	4144	-465
GL	4239	-560
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/56	G	4163-4199	132 holes
10/56	I	4214-4241	
10/56	II	4256-4276	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/56	G,I	500 gal. AT; 15,500	frac		84BO
8/69	II	750 gal. 15% NEA	AT - 2 stages		46BO 1BW
12/71	G,I,II	750 gal. 15% paragon	AT		7BO 2BW
5/73	G,I,II	1000 gal. 15% NEA; 25,888X22,200	frac		11BO 6BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: DST #1 (4130-4256)-Open 3 hrs., gas to surf. in 15 min.; rec 140' brackish heavy gas-cut drlg. wtr., 430' HO & GCM est. 50% oil & 230' free oil HP in 2480# out 2455#, 1FP 135#, FFP 383#, 30 min bldup 1140#.

DATE 8/21/78KII

PROPOSED WELL NO. 14-321

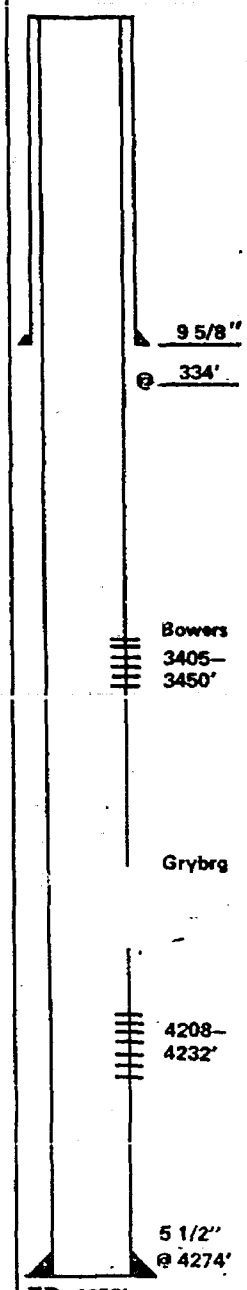
COMPLETION DATE 12-10-59 — GETTY STATE 8 NO. 2 — COMPLETION INTERNAL: 4208-4232(G), 3405-3450 (BOWERS)

RECOMPLETION DATE 9-17-74 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 1650' FEL — SECTION 14G — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3698' (DF) G.L. ELEV. — TD 4275' — PBTD 4270' ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	25.4#	334	325	Circ.	11"
5 1/2"	15.5#	4274	600	2595	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1613	
Yates	2826	
Tansil	2673	
Bowers	3094	
Queen	3641	
Penrose	3794	
GU	4203	-505
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/59	G	4208-18, 4226-32	2 SPF
9/74	Bowers	3405,07,10,41,45,50	1 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/59	G	1000 gal. AT; 10x10 frac			37BO,
					17BW
11/74	G	1750 gal. 15% AT;			
		17x21.5 frac.			
11/74	Bowers	840 gal. 15% NEA; 10x20			
		frac			9BO,2BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Request for downhole commingling approved 10/22/74.

DATE: 8-21-78 KL

PROPOSED WELL NO. 33-411

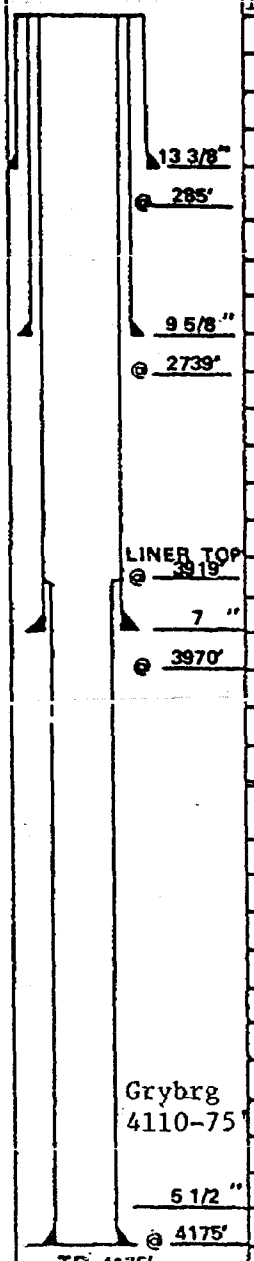
COMPLETION DATE 11-16-34 — GULF GRIMES B NO. 4 — COMPLETION INTERNAL: 4110-4175 (II) (IIIU)

RECOMPLETION DATE 5-56 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 660' FEL — SECTION 33A — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3642', [GL] G.L. ELEV. — TD 4175' — PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	54.5#	285	200	Circ.*	17"**
9 5/8"	36#	2739	350	1723*	12 1/4"**
7"	24#	3970	150	3063*	8 3/4"**
5½"	lnr.14#FJ	3919/			
		4175	40	3919*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3915	-273
GL	4008	-366
I	4008	-366
II	4064	-422
IIIU	4122	-480
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	II	*4077-4122	OH
	IIIU	*4122-75	OH
5/56	II,IIIU	4110-14,4130-42,4145-75'	4 1/2" SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/34	II,IIIU	4000 gal.	AT - 2 Stages		
5/77		1500 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Suspected csg. leak - could not find it.

DATE: 8-22-78 KL

PROPOSED WELL NO. 18-331

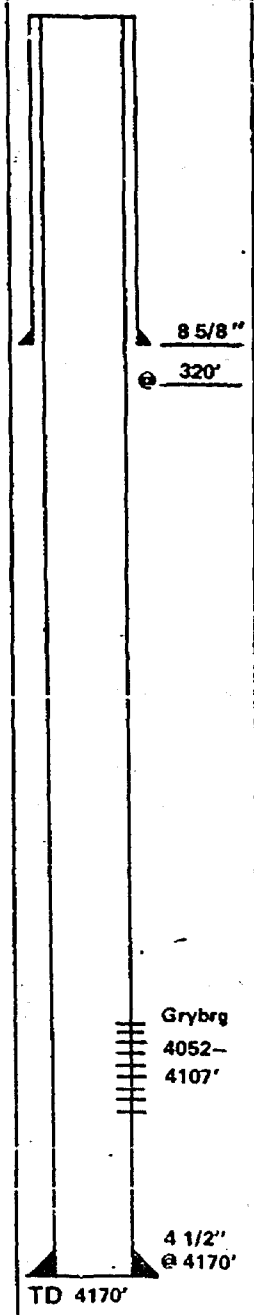
COMPLETION DATE 5-14-59 — GULF HARDIN NO. 5 — COMPLETION INTERNAL: 4052-4107(G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1980' FSL & 1980' FEL SECTION 18J BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3675' [DF] G.L. ELEV. TD 4170' PBTD 4165' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	320	310	Circ	12 1/4"
4 1/2"	9.5 #	4170	1027	1710	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1586	
Yates	2732	
7 Riv	2978	
Queen	3514	
Penrose	3661	
GU	4008	-333
GL	4094	-419
I	4114	-439
II	4183	-508
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/59	G	4052-59, 4062-64, 4072-74	40 Holes
		4086-88, 4092-94, 4105-07	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/59	G	20,000 x 1-2.5#/gal.			58BO
		frac.			
6/68	G	500 gal. 15% FE NEA			
12/70	G	1000 gal. 15% NEA			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE 8-21-78 KLL

PROPOSED WELL NO. 18-421

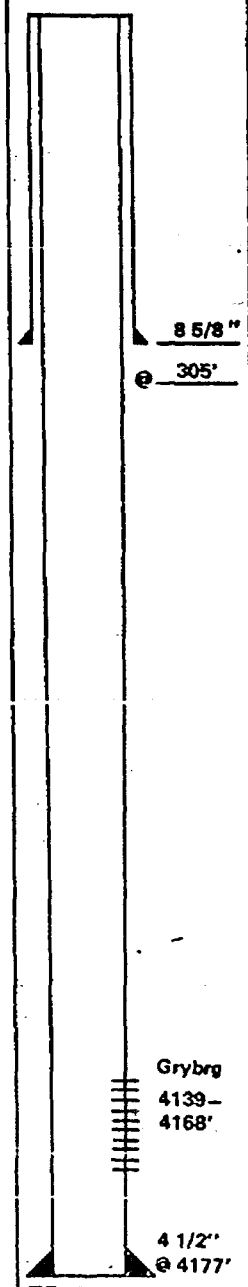
COMPLETION DATE 9/9/59 — GULF HARDIN NO. 6 — COMPLETION INTERNAL: 4139-4168(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1880' FNL & 660' FEL SECTION 18H BLOCK _____

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

DATUM 3673' [DF] G.L. ELEV. _____ TD 4177' PBTD 4172' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	305	300	Circ	12 1/4
4 1/2"	9.5#	4177	350	2799	6 3/4

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1663	
Yates	2817	
7 Riv	3072	
Queen	3614	
Penrose	3716	
Gu	4100	-427
GL	4181	-508
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4139-41, 4146-48, 4156-58	4 SPF
		4166-68	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/59	G	20,000 X 1-2.5#/gal	frac		144BO
10/64	G	1,000 gal. 15%	AT	4BO 0BW	10BO 0BW
6/68	G	1,000 gal. 15% FE NEA	AT		
12/70	G	1,000 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLL

PROPOSED WELL NO. 18-311

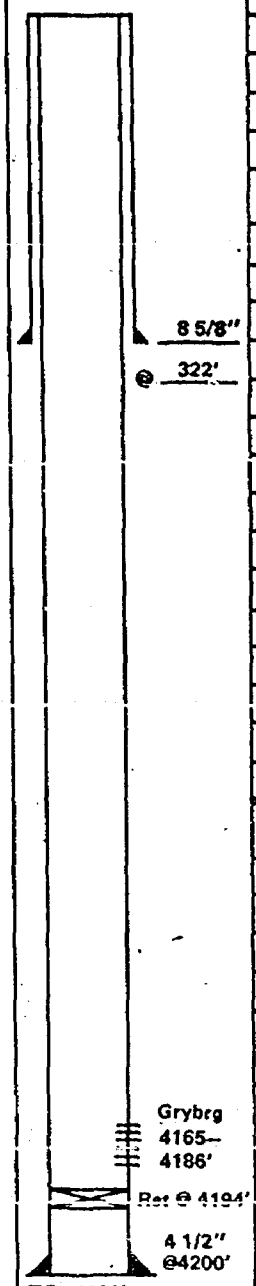
COMPLETION DATE 9/21/60 — GULF HARDIN NO. 7 — COMPLETION INTERNAL: 4165-4186' (G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 2310' FEL — SECTION 18 B — BLOCK

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

DATUM 3680' [DF] G.L. ELEV. — TD 4200' — PBTD 4194' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	322	200	Circ.	12¼"
4 1/2"	9.5#	4200	373	3318	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1642	
Yates	2810	
7 Riv	3068	
Queen	3614	
Penrose	3766	
Gu	4116	-436
GL	4208	-528
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/60	G	4165, 4175, 4186	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
	4194'	Cmt. ret. sqz'd w/27 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/60	G	15,300 X 1-1.5#/gal.	frac		152BO
9/64	G	1,000 gal. 15%	AT	5BO 0BW	17BO 0BW
3/66	G	1,000 gal. 15% NEA	AT		
5/68	G	1,000 gal. 15% FE NEA	AT		
12/70	G	1,000 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLL

PROPOSED WELL NO. 18-341

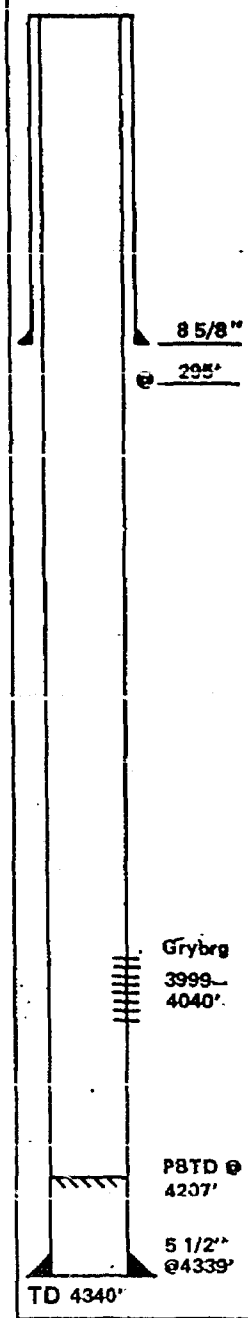
COMPLETION DATE 8/1/71 — GULF HARDIN NO. 9 — COMPLETION INTERNAL: 3999-4040(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 580' FSL & 2310' FEL SECTION 18 O BLOCK ____

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

DATUM 3672' [DF] G.L. ELEV. ____ TD 4340' PBTD 4207' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	295	275	Circ.	11"
5 1/2"	14#	4339	285	2525	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1552	
Yates	2800	
Queen	3490	
Gu	3972	-300
GL	4061	-389
I	4068	-396
II	4151	-479
IIu	4231	-559
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/71	G	3999-4001, 4018-20,	4 1/2" SPF
		4038-40	
6/75		*2493-94	4 1/2" SPF
6/75		*1415	4 1/2" SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/75	2493-94	Sqz'd w/500 SX cmt.
6/75	1410	Sqx'd w/350 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/71	G	1000 gal 15% NEA; 14	X 21 frac		30BO 9BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLF

1

PROPOSED WELL NO. 36-211

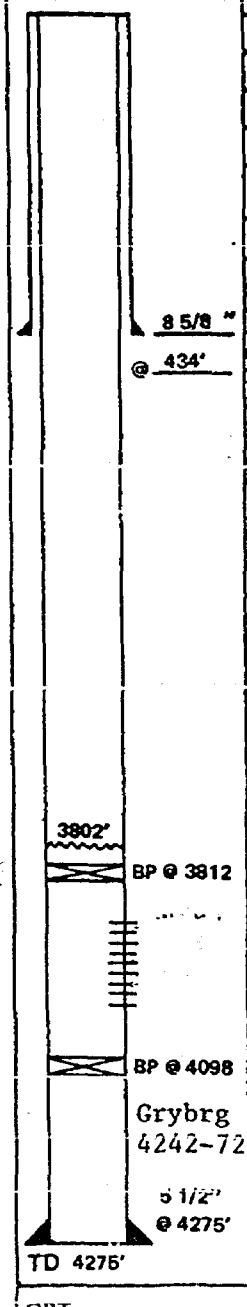
COMPLETION DATE 6-57 — GULF HOLT NCT-D NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1-75 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 36C BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3670' TD 4275' PBTD T.A. [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	434	325	Circ.	11"
5 1/2"	14#	4275	400	*2223	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1658	
Yates	2920	
Queen	3720	
Penrose	3870	
GU	4210	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/57	G	4242-72	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/70		CIBP @ 4098', capped w/1 sk.
		CIBP @ 3812' & capped w/1.5 sx cmt.
		to 3802

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	12,000 gal. AT; 10x10	frac (4242-72')		
2/63	G	1000 gal. 15% NE FE	AT	8BO,1BW	23BO,
					10BW
4/70	G	1000 gal. 15% NEA; sand			
		frac'd (3838-4034')			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KL

COMPLETION DATE 10-7-55 | PROPOSED WELL NO. 30-141 | COMPLETION INTERNAL: 4084-4114(G)

RECOMPLETION DATE _____ | MARATHON STATE 30 NO. 9 | HOBBS (G-SA) UNIT

LOCATION 990' FSL & 990' FWL SECTION 30M BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3663' [DF] G.L. ELEV. _____ TD 4273' PBTD 4227' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	368	200	Circ.	13 3/4"
5 1/2"	15.5 #	4273	3000	Circ.	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

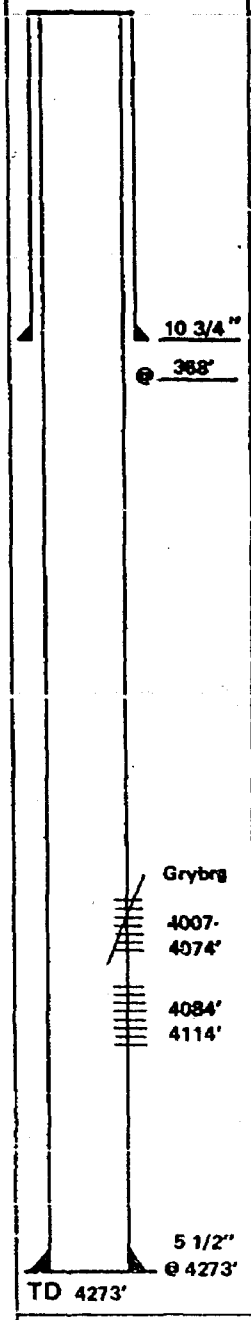
ZONE	TOP	SUBSEA
B Salt	2606	
Yates	2690	
7 Riv	2928	
Queen	3480	
GU	3962	-299
GL	4107	-444
I	4123	-460
II	4187	-524
IIIU	4246	-583
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/55	G	*4007-12, 4016-30, 4040-	6 JPF
		52, 4062-74	
11/65	G	4084-4114	1 SPF
1/73	G	4084-90, 4099-4101, 4107-	
		14	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/65	4007-74	Sqz'd w/150 sx cmt.
12/72	4084-90	Sqz'd w/75 sx cmt. (to reduce GOR)



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/55	G	500 gal. AT; 10x10 frac			4 BO
11/65	G	1000 gal. 15% AT;			
		20x35 frac.			
8/70	G	1000 gal. 15%	AT		47BO,5BW
1/73	G	2000 gal. 15%	AT		18BO,67B

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KL

PROPOSED WELL NO. 31-141

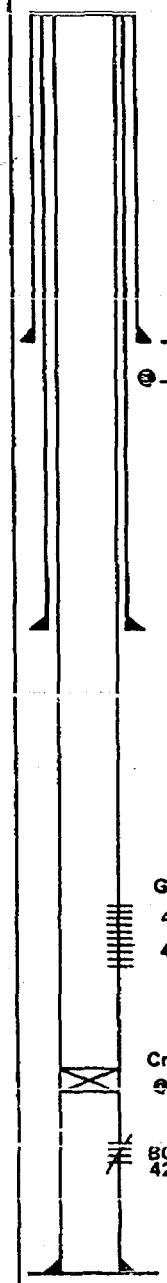
COMPLETION DATE 2-18-50 — MOBIL BERRY NO. 4 — COMPLETION INTERNAL: 4097-4182(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 990' FSL & 990' FWL SECTION 31M BLOCK ____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3650' [GL] G.L. ELEV. ____ TD 4317' PBTD 4200' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	435	200	Circ.*	13 3/4
7"	23#	3303	500	279*	8 3/4"
5"	15#	4317	100	3132*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1640	
T Salt	1710	
B Salt	2750	
Yates	2850	
Bowers	3346	
GU	4087	-437
GL	4201	-551
I	4226	-576
II	4302	-652
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/50	Bowers	*4210-20	8 Holes
1/65	G	4097-4182	2 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/65	4210-20	Sqz'd w/200 sx cmt; ret. @ 4200'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/50	Bowers	250 gal.	AT		12 O, 4W
1/65	G	500 gal. 15% NEA + 40			
		x 40 frac.		4BO,12BW	157BO,
					OBW
5/66	G	2000 gal. 28% NEA AT			

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/78 KLL

PROPOSED WELL NO. 34-421

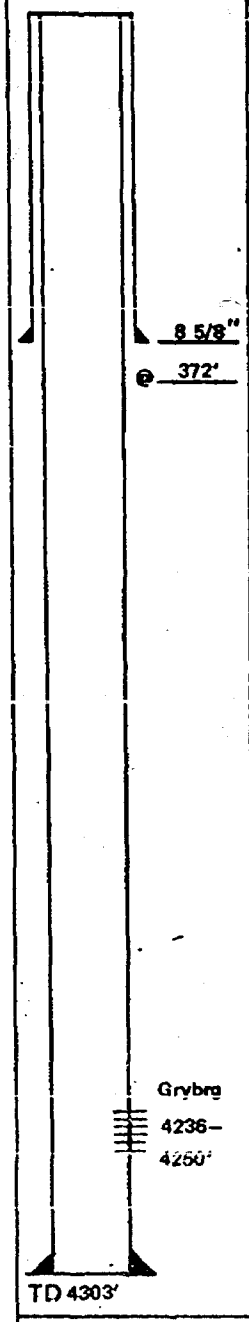
COMPLETION DATE 1-10-62 — MORAN HOBBS NO.1 — COMPLETION INTERNAL: 4236-4250(G)

RECOMPLETION DATE ____ — HOBBS(G-SA) UNIT

LOCATION 2485' FNL & 1184' FEL SECTION 34 H BLOCK ____

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

DATUM 3630' (GL) G.L. ELEV. ____ TD 4303' PBTD 4264' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	372	250	Circ.	12 1/4
4 1/2"	11.6#	4303	500	2620	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1695	
Yates	2855	
Queen	3645	
Gu	4176	-546
GL	4257	-627
I	4269	-639
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE • NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/62	G	4236-40, 4248-50	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/62	G	2000 g	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/78 KLL

1

PROPOSED WELL NO. 25-121

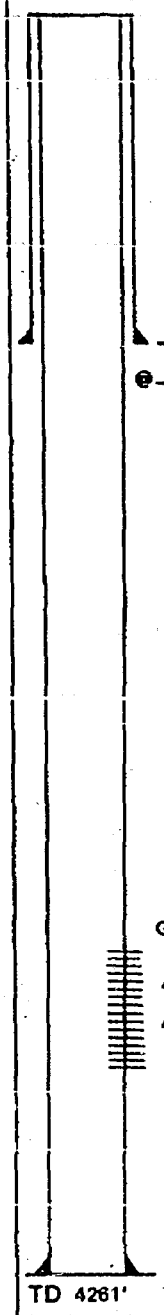
COMPLETION DATE 1-9-58 — SAMEDAN STATE B NO.2 — COMPLETION INTERNAL: 4140-4236(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990 FWL — SECTION 25E — BLOCK ____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3667' [DF] G.L. ELEV. ____ TD 4261' PBTD ____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	287	250	Circ	12 1/4"
5 1/2"	14#	4260	250	2930	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1633	
Salt	1735	
Yates	2840	
7 Riv	3345	
Queen	3634	
Gu	4139	-472
GL	4234	-567
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4231-36, 22-28, 08-14,	4 SPF
		4199-4204, 4186-94,	
		4166-72, 4155-61, 40-48	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
12/57	G	17.5X17.5 frac.	4 intervals-unable to		
			treat rest @8500 psi		
		ball sealers?	intervals unknown		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78KLL

1

PROPOSED WELL NO. 28-231

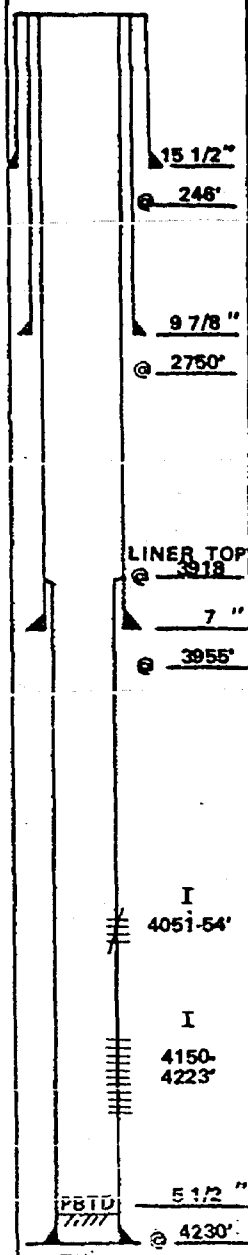
COMPLETION DATE 11-14-33 — SHELL GRIMES NO. 3 — COMPLETION INTERNAL: 4150-4223(IIIU)

RECOMPLETION DATE 1946 (Deepened) — HOBBS (G-SA) UNIT

LOCATION 1325' FSL & 1325' FWL — SECTION 28 K — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3651' (GL) G.L. ELEV. — TD 4231' — PBTD 4228' ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	246	150	Circ.*	18"**
9 5/8"	36#	2750	150	2315	12 1/4"**
7"	24#	3955	250	2443*	8 3/4"**
5 1/2"	15.5#	3918	100	3918*	6 1/4"**
Lnr.		4230			

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3902	-251
GL	3986	-335
I	3999	-348
II	4069	-418
IIIU	4130	-479
IIIL	4231	-580
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/46	III	4150-4223	4 1/2" JPF
12/73	I	*4051-4054	4 1/2" JPF
11/33		3955-4200 OH	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
9/76	4051-54	Sqz'd w/50 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/34		1000 gal. 50%	AT - OH		
2/34		1500 gal. 50%	AT - OH	892BO	2333BO
4/34		1000 gal. 50%	AT - OH		3150BO
2/46	III	500 gal. 15%	AT		
3/70	III	1500 gal. 15% NEA	AT	67BO,	77BO, 3BW
5/71	III	3000 gal. 15% NEA	AT - 3 Stages	54BO, 7BW	119BO, 16BW
6/72	III	1000 gal. Para-Clean	AT - 4 Stages	71BO 14BW	100BO, 13BW
12/73	I	2000 gal. 15% NEA	AT - 5 Stages		
9/76	III	500 gal. 15%	AT	29BO, 27BW	31BO, 29BW
5/78	III	1000 gal. 15% HCl w/NE	AT	25BO, 28BW	38BO, 76BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 2120' of 7" csg. pulled & repaired by replacement w/new pipe & lead seals.

DATE: 7-21-78 KLL

PROPOSED WELL NO. 20-232

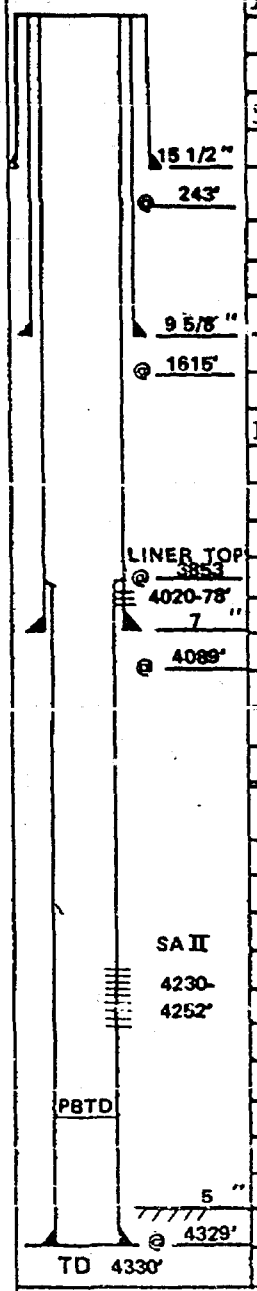
COMPLETION DATE 7/36 — SHELL MCKINLEY B NO. 4 — COMPLETION INTERNAL: 4230-4252(II)

RECOMPLETION DATE 2/73(Deep.) — HOBBS (G-SA) UNIT

LOCATION 1325' FSL & 1325' FWL SECTION 20K BLOCK

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

DATUM 3656' [DF] G.L. ELEV. TD 4330' PBTD 4280' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	243	150	Circ.*	18"**
9 5/8"	36#	1615	75	1397*	12¼"**
7"	24#	4089	250	2577*	8 3/4"**
5" lnr.	15#	3853-4329	55	3853*	6¼"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4067	-411
GL	4157	-501
I	4157	-501
II	4219	-563
III u	4288	-632
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/55	G	*4020-78	4 JPF
2/73	II	*4225, 4229, 4232, 35, 39	7 holes
		4245, 4252	
10/74	II	4230, 4232, 4235,39,47,50	7 holes
		4252	
10/74	II	4249-50, 4251-52	8 holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
10/74	4225-52	Sqz'd. w/250 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/51	G,I	500 gal. 15% LST	AT		
6/54	G,I	1500 gal. 15% LST	AT		
3/55	G	1500 gal. 15% LST, 13,200 gal Petrogel - AT			
2/73	II	1500 gal. 15% NEA	AT		
10/74	II	1200 gal. 15% NEA	AT	2480, 40BW 172MCFG	
10/74	II	2000 gal. 15% NEA	AT		
10/74	II	3000 gal. 15% NEA	AT		2880, 38BW 170MCFG

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/20/78 KLL

1

PROPOSED WELL NO. 13-431

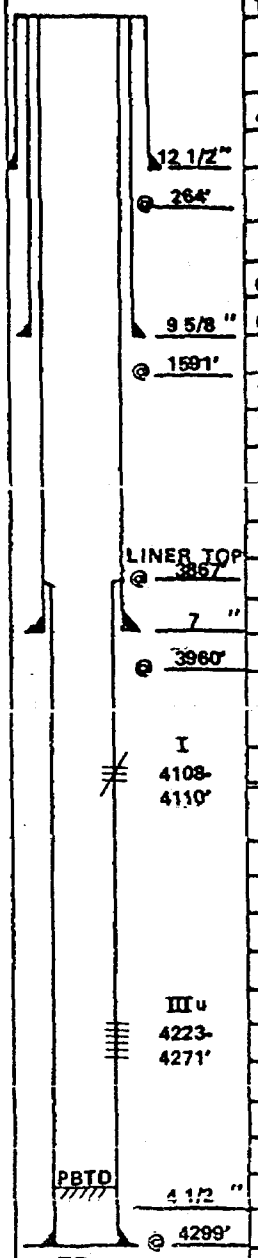
COMPLETION DATE 12/14/35 — SHELL RICE NO. 3 — COMPLETION INTERNAL: 4223-4271(III)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 990' FEL SECTION 13 I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3676' [DF] G.L. ELEV. _____ TD 4300' PBTD 4282' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	264	220	Circ.	16"
9 5/8"	36#	1591	630	Circ*	12"
7"	24#	3960	160	2992*	8 3/4"
4½" lnr	11.6#	3867/4299	100	3867*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3932	-256
GL	4022	-346
I	4063	-387
II	4138	-462
IIIu	4216	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/74	I	*4108, 4109, 4110	3 holes
6/74	III	4223, 4230, 4239, 54, 60	6 holes
		4271	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/74	4108-10'	Sqz'd. w/275 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/58	I	15 X 15 frac			
11/59	G, I	1000 gal. 15% LST AT	OH (4004-88')	7BO 8BW	22BO 22BW
5/61	G, I	2000 gal. 15% NEA	OH (4004-88')	11BO 8BW	52BO 8BW
3/65	G, I	1500 gal. 15% NEA	OH (4004-88')		
7/66	G, I	2000 gal. 28% NEA	OH (4004-88')	6BO 10BW	6BO 10BW
10/71	G, I	3000 gal. 15% NM	OH (4004-88')	3BO 60BW	3BO 156BW
6/74	I	2000 gal. 15% NEA			
6/74	III	2000 gal. 15% NEA			22BO 519BW/D

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: For csg. leak info, see attached.

DATE: 9/12/78KLL

PROPOSED WELL NO. 27-111

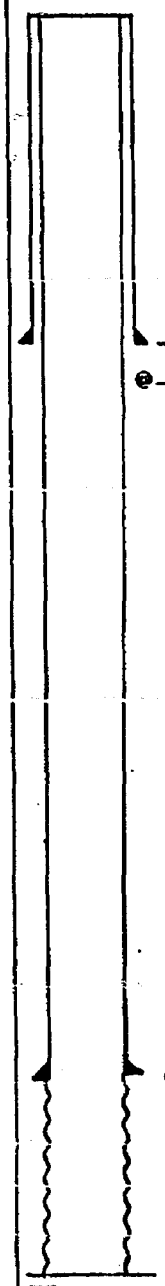
COMPLETION DATE 2-77 — SHELL SANGER NO.6 — COMPLETION INTERNAL: 4222-4260 (G), 4260-4360(SA)

RECOMPLETION DATE 3-74 (Deep.) — HOBBS (G-SA) UNIT

LOCATION 1200' FNL & 470' FWL SECTION 27D BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3641' [GL] G.L. ELEV. TD 4360 PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	347	275	Circ.*	12¼"
5 1/2"	15.5 #	4222	450	1861*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2861	
Bowers	3365	
Queen	3585	
Penrose	3774	
GU	4159	-518
GL	4249	-608
I	4260	-619
II	4299	-658
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/70	I	4262-75 OH	
4/71	G,I	4222-75 OH	
3/74	G,I,II	4222-4360 OH	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/70	4275	600 g. 15% HCl, 2000 g			
		28% HCl	AT - 3 Stgs.		
2/70	4262-75	2000 g. 28% NEA	AT		
4/71	G,I	2000 g. 15% NE + 26.5			
		x 34.6 frac.		13BO, 7Bw	22BO, 22Bw
3/74	G,I,II	2000 g. 15% NE-FEA	AT - 2 Stages	16 BO, 12 Bw	16 BO, 10Bw
5/78		1000 g. 15% HCl w/NE	Dump AT	9BO, 10Bw	9BO, 8Bw

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

Rev. 12-8-78

DATE: 7-20-78 KL

PROPOSED WELL NO. 24-211

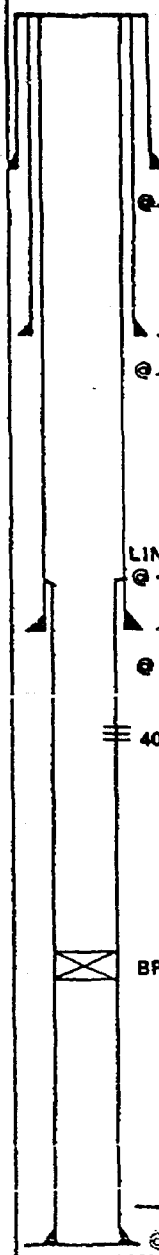
COMPLETION DATE 3-30-35 — SHELL STATE D NO. 2 — COMPLETION INTERNAL: 4099-4101(I)

RECOMPLETION DATE 5-10-41 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 1980' FWL SECTION 24C BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3675' [DF] G.L. ELEV. TD 4260' PBTD 4231' [BP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	257	150	Circ.	16"
9 5/8"	36#	1599	200	865*	11-3/4**
7"	24#	4010	250	2498*	8-3/4**
5" lnr.	15#	3952/4260	100	3952*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3945	-270
GL	4030	-355
I	4035	-360
II	4128	-453
IIIu	4210	-535
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/41	III	*4231-35	3 1/2" JPF
7/47	II	*4186-94	4 1/2" JPF
7/47	III	*4215-25	4 1/2" JPF
7/47	II	*4178-80	4 1/2" JPF
5/48	II	*4201-09	4 1/2" JPF
1/73	II	*4137, 4142, 4149, 4153	1 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/47	4231-35 4178-80	Sqz'd w/cmt.
2/73	4137-53	Sqz'd w/95SX cmt.
5/73	4137-53	Sqz'd w/33SX cmt.
5/73	4141-52	Sqz'd w/75 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/35	4010/4260	2000 gal. Dowell X	AT		
2/48	II	8000 gal. 15% LST	AT-2 stages		
3/48	II	5000 gal. 15%	AT		
5/48	II	500 gal. 15%, LST	AT		
8/50	II	1000 gal. 15% LST	AT		
3/60	II	500 gal. 15% NEA	AT	12BO	64BO 27BW
5/61	II	1500 gal. 15% NEA	AT	18BO	30BO 47BW
3/64	II	1500 gal. 15%NEAw/FE	AT	17BO 36BW	33BO 36BW
9/66	II	2000 gal. 28% NEA	AT	16BO 38BW	27BO 74BW
9/71	II	3000 gal. 15% NM	AT	11BO 52BW	20BO 53BW
10/62	II	1000 gal. 15% MCA	AT	14BO 16BW	31BO 46BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 9/12/78 KLL

COMPLETION DATE _____
RECOMPLETION DATE _____

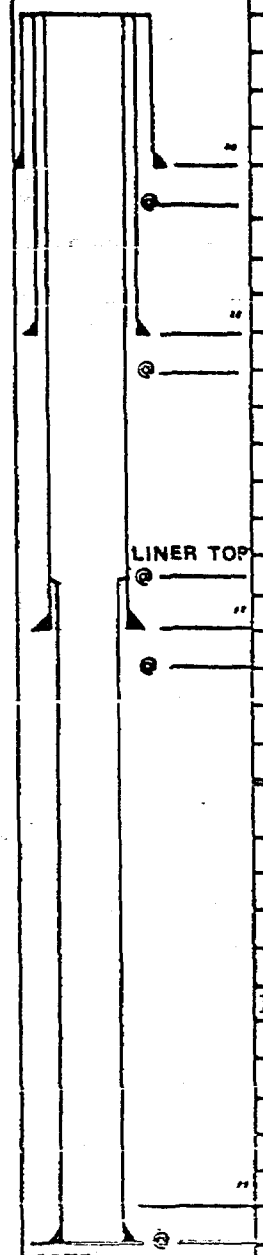
Shell State D No. 2
Hobbs (G-SA) Unit

COMPLETION INTERNAL: _____

LOCATION _____ SECTION _____ BLOCK _____

SURVEY _____ COUNTY _____

DATUM _____ [ ] G.L. ELEV. _____ TD _____ PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4-73	II	*4137, 4141, 4142, 4149,	
		4151, 4153	1-1/2" JPF
5-73	II	*4141, 4142, 4149, 4150,	
		4152, 4153	1-1/2" JPF
2-74	I	4099, 4100, 4101	1-1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1-73	II	2500 gal. 15% NEA	AT		
2-74	I	2000 gal. 15% NEA	AT		
1-76	I	500 gal. 15% HCl-NEA	AT		
11-76	I	500 gal. 15% HCl-NEA	AT	54BO, 162BW	56 BO, 184BW

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PROPOSED WELL NO. 23-321

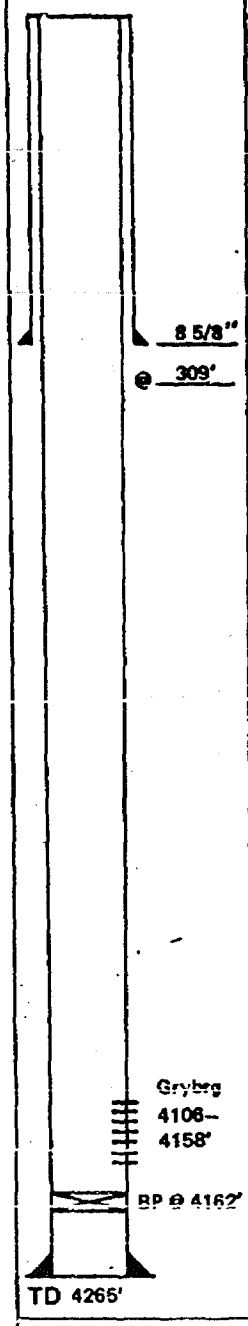
COMPLETION DATE 7/15/57 — SHELL STATE "F" NO.2 — COMPLETION INTERNAL: 4106-4158 (G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL SECTION 23G BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' [DF] G.L. ELEV. _____ TD 4265' PBTD 4162' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	309	300	Circ.	12 1/4"
5 1/2"	15.5#	4265	1355	Circ.	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gr	4068	-380
GL	4159	-471
I	4194	-506
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/57	G	*4106-20, 4134-60, 4184-90	4 1/2" JPF
7/57	G	4106-20, 4136-40, 4148-58	4 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/57	4106-90	Sqz'd w/375 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/57	G	6000g. MCA + 15 X 15 FRAC			
1/62	G	1000g. 15% NEA			330,61W
3/64	G	1000g. 15% NEA-FE		200,39W	230,49W
3/65	G	1500g. 15% NEA		160,38W	220,118W
10/71	G	3000g. 15% NM		40,50W	140,126W
11/74	G	500g. 15% NEA		20,90W	80,125W

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 7/78 KLL

PROPOSED WELL NO. 31-121

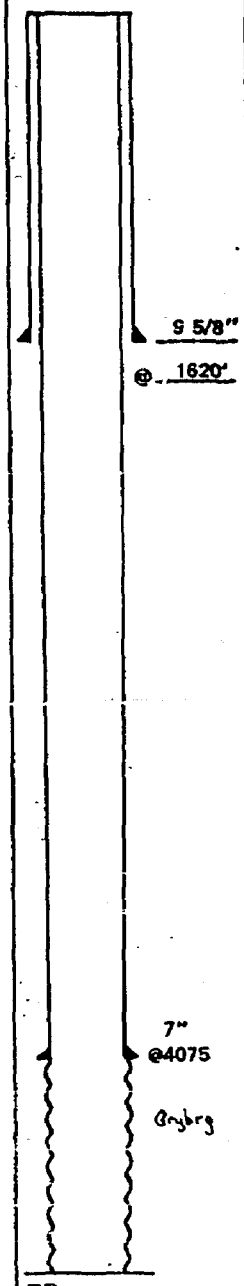
COMPLETION DATE 4-11-49 — SUN FOWLER NO. 4 — COMPLETION INTERNAL: 4075-4189(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1980' FNL & 990' FWL SECTION 31E BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3655' [DF] G.L. ELEV. _____ TD 4189' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	36 #	1620	800	Circ.	12 1/4"
7"	23 #	4075	400	2608	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4054	-399
GL	4180	-525
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/49	G	4075-4189	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: See attached for remedial work done on this well.

DATE: 8-21-78 KT

PROPOSED WELL NO. 20-331

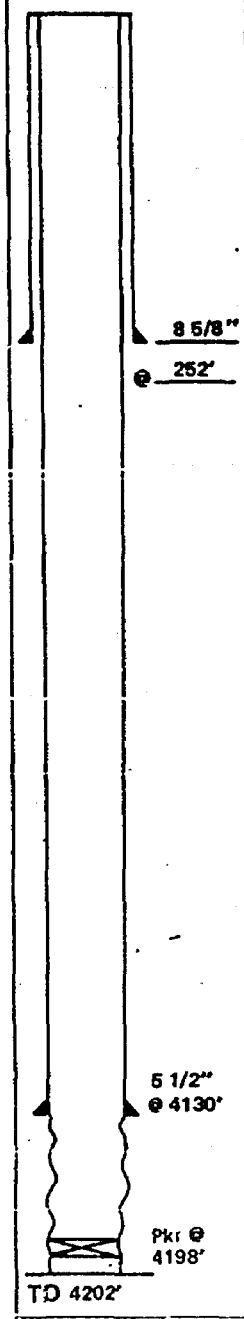
COMPLETION DATE 3-18-54 — B. SWEET BOWERS B NO.2-A — COMPLETION INTERNAL: 4198-4202(I)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2010' FEL SECTION 20J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3654' [GL] G.L. ELEV. _____ TD 4202' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	40#	252	150	Circ.	11"**
5 1/2"	15.5#	4130	600	982*	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	3013	
Yates	4194	
GU	4099	-445
GL	4189	-535
I	4192	-538
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/54	I	4198-4202	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/54		200 gal.	AT		6630

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: All bradenheads closed w/bleeder lines brought to surf. w/valve attached.
Valves will be open permanently.

DATE: 8-21-78 KI

PROPOSED WELL NO. 20-421

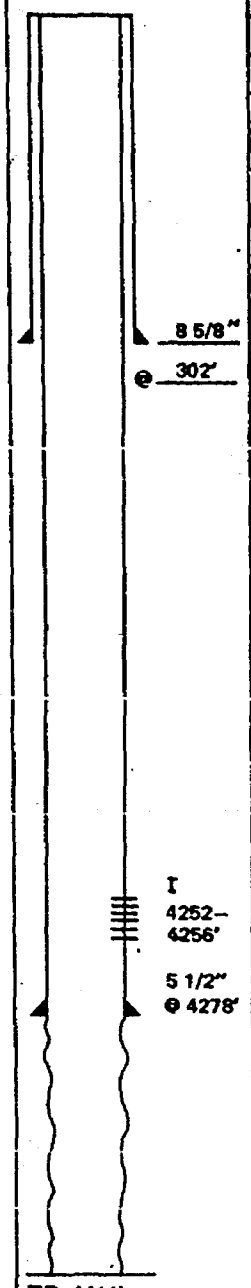
COMPLETION DATE 5/12/52 — C.H. SWEET McKINLEY B NO. 2 — COMPLETION INTERNAL: 4252-4256(I)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FEL SECTION 20 H BLOCK ____

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

DATUM 3654' (GL) G.L. ELEV. ____ TD 4414' PBTD ____ ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	302	150	Circ.	11"
5 1/2"	15.5#	4278	200	2952	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4128	-474
GL	4216	-562
I	4223	-569
II	4283	-629
IIIu	4343	-689
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/52	I	4252-56	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/52	I	500 gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Cored 4135-56, 4156-4213, 4216-38, 4243-57, 4257-78, 4278-93, 4293-4325

DATE 8/21/78KLL

PROPOSED WELL NO. 23-411

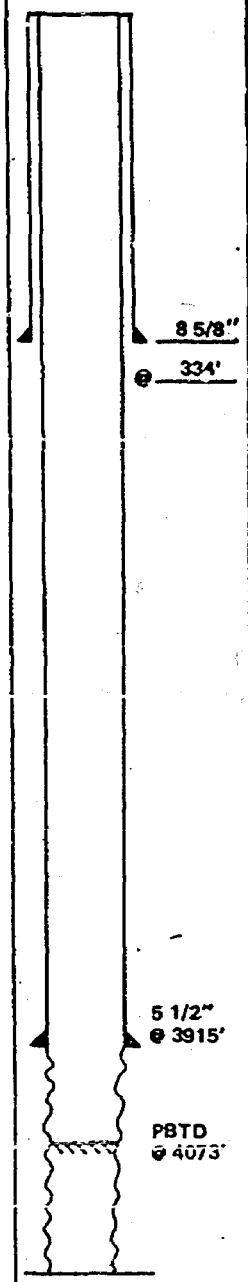
COMPLETION DATE 6/19/51 — C.H. SWEET STATE F NO. 1-A — COMPLETION INTERNAL: 3915-4073(G)

RECOMPLETION DATE 9-63 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330 FEL SECTION 23A BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3686' [DF] G.L. ELEV. TD 4115' PBTD 4073' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	23.7#	334	125	Circ	11"
5 1/2"	15.5#	3915	75	3406	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1600	
T.Salt	2450	
B.Salt	2750	
Gu	3975	-289
GL	4086	-400
I	4110	-424
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/51	G	3915-4073	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/51		1000 gal. AT (3950-4030)			
6/51		1000 gal. AT (4035-4095)			
6/51		1000 gal. AT (4095-4115)			90BO 0BW
5/53		5000 gal. AT (3950-4101)			55BO 0BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78 KLL

PROPOSED WELL NO. 23-431

COMPLETION DATE 1/17/53 — C.H. SWEET STATE F NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 330'FEL SECTION 23I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

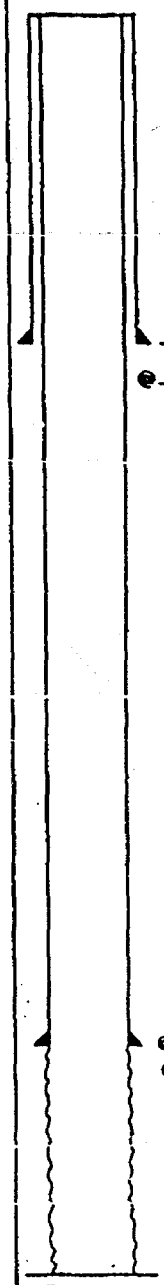
DATUM 3681' [DF] G.L. ELEV. _____ TD 4191' PBTD _____ [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24.7#	252	125	Circ.	12"
5 1/2"	15.5#	3993	300	1922*	7 3/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL



LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1610	
T. Salt	2460	
B. Salt	2760	
Gu	4049	-368
GL	4144	-463
I	4152	-471
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/53	G	3993-4152	OH
1/53	I	4152-4191	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/53	G,I	1000 gal.	AT		
		5000 gal.	AT		57BO .3%W

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78KLL

PROPOSED WELL NO. 14-431

COMPLETION DATE 1/13/58 — TEXAS PAC STATE V NO. 1 — COMPLETION INTERNAL: 4012-4134(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 330' FEL SECTION 14I BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3690' [DF] G.L. ELEV. ____ TD 4162' PBTD 4159' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	314	300	Cir.	12 1/4"
5 1/2"	14#	4162	300	2558'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
7 Riv	3012	
Queen	3537	
Penrose	3674	
Gu	4016	-326
GL	4128	-438
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

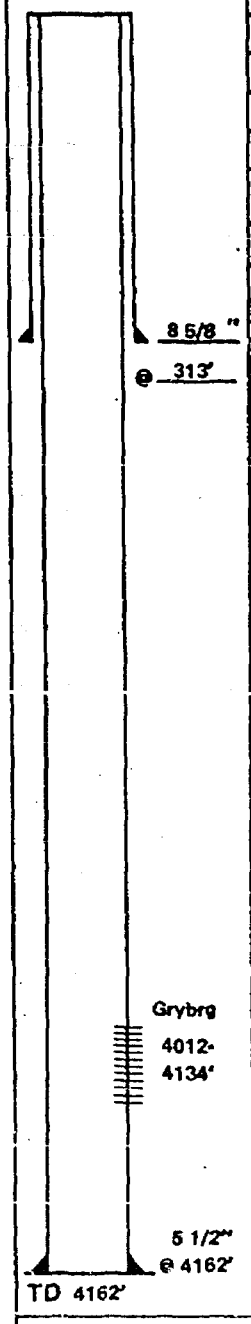
DATE	ZONE	DEPTHS	DENS & SIZE
1/58	G	4012-26, 36-78, 4092-4102	288 holes
		4108-18, 4124-34	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/58	G	1000 gal. AT; 30 X 30	frac		20BBO OBW



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: Cored 4050-4100: rec. 50', oil show; 4100-32: rec. 32', oil show; ran logs.

DATE: 8/21/78KLL

PROPOSED WELL NO. 23-211

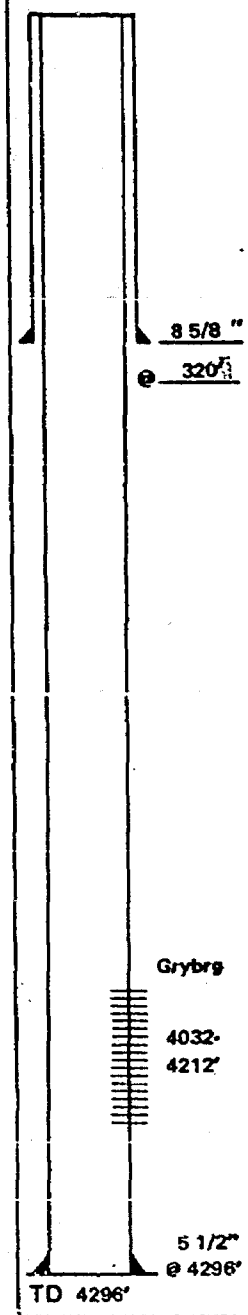
COMPLETION DATE 2-22-59 — TEXAS PAC STATE V NO. 3 — COMPLETION INTERNAL: 4032-4212(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 23C BLOCK _____

SURVEY T-18-3, R-37-E COUNTY Lea County, N.M.

DATUM 3689' [DF] G.L. ELEV. _____ TD 4296' PBTD 4286' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	320	325	Circ.	12 1/4"
5 1/2"	14#	4296	300	2905	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1632	
Yates	2817	
7 Riv	3090	
Bowers	3390	
Queen	3690	
Gu	4129	-440
GL	4262	-573
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/59	G	*4238-78	4 SPF
2/59	G	4088-4108, 4128-42, 48-70,	4 SPF
		4186-98, 4204-12	
3/64	G	4032, 4036, 4040, 4048,	1 SPF
		4064, 4069	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
2/59	4238-78	Sqz'd w/77 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/59	G	500 gal. AT. 15X15	frac		120BO, 80 BW
2/59	G	25.5X25.5 frac (3stg. down tbg. & annulus)		240 BO 160BW	168 BO, 0BW
3/64	G	1000 gal. AT; 1000x250	frac	7BO, 2BW	18BO 0BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78KL

PROPOSED WELL NO. 23-231

COMPLETION DATE 6/12/59 — TEXAS PAC STATE V NO. 5 — COMPLETION INTERNAL: 4146-4256(G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 2310' FWL SECTION 23K BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3690' [DF] G.L. ELEV. TD 4330' PBTD 4300' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	310	350	Circ.	12"
5 1/2"	15.5#	4330	300	2630	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2868	
7 Riv	3150	
Bowers	3434	
Queen	3680	
Penrose	3838	
Gu	4148	-458
GL	4241	-551
I	4276	-586
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

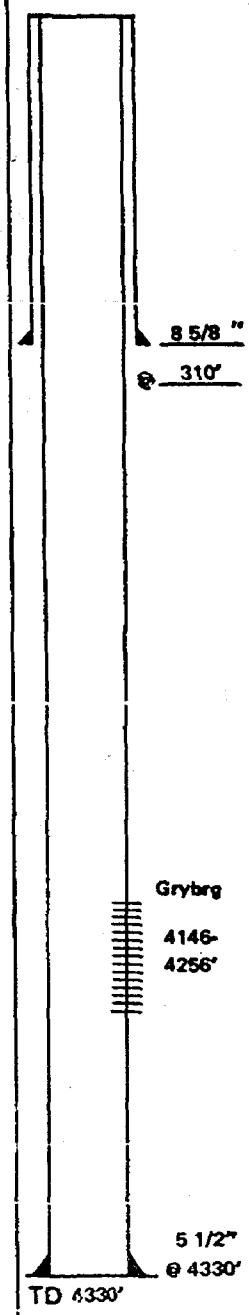
DATE	ZONE	DEPTHS	DENS & SIZE
6/59	G	4146-60, 4164-70, 4174-80	4 SPF
		4188-92, 4196-4204, 4228-56	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/59	G	1000 gal. AT; 20X20	frac		189BO 35BW



OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLL

PROPOSED WELL NO. 23-341

COMPLETION DATE 5-23-56 — YATES SHELL STATE NO. 3 — COMPLETION INTERNAL: 4144-4228(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FEL & 990' FSL SECTION 23 BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3683' [DF] G.L. ELEV. _____ TD 4302' PBTD _____ [ ]

*CALCULATED **ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"		352	180	Circ.	12 1/2"
5 1/2"		4302	750	*367	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

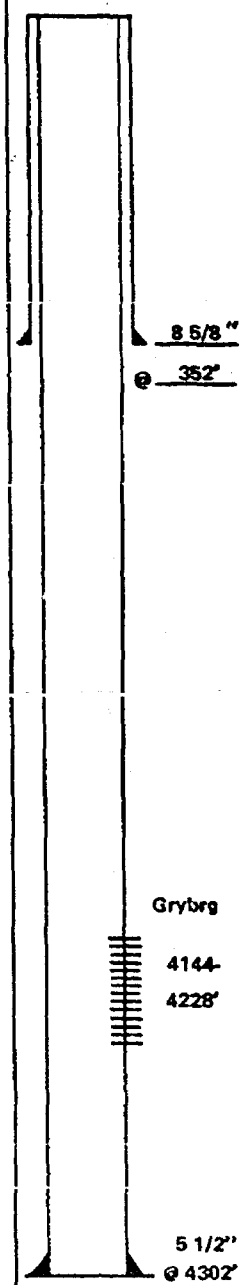
ZONE	TOP	SUBSEA
Anhy	1655	
B Salt	2715	
Yates	2860	
7 Riv	3130	
Queen	3675	
GU	4142	-459
GL	4234	-551
I	4252	-569
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/56	G	4144-52, 4180-96, 4222-28	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/56	G	15 x 15	frac		62BO

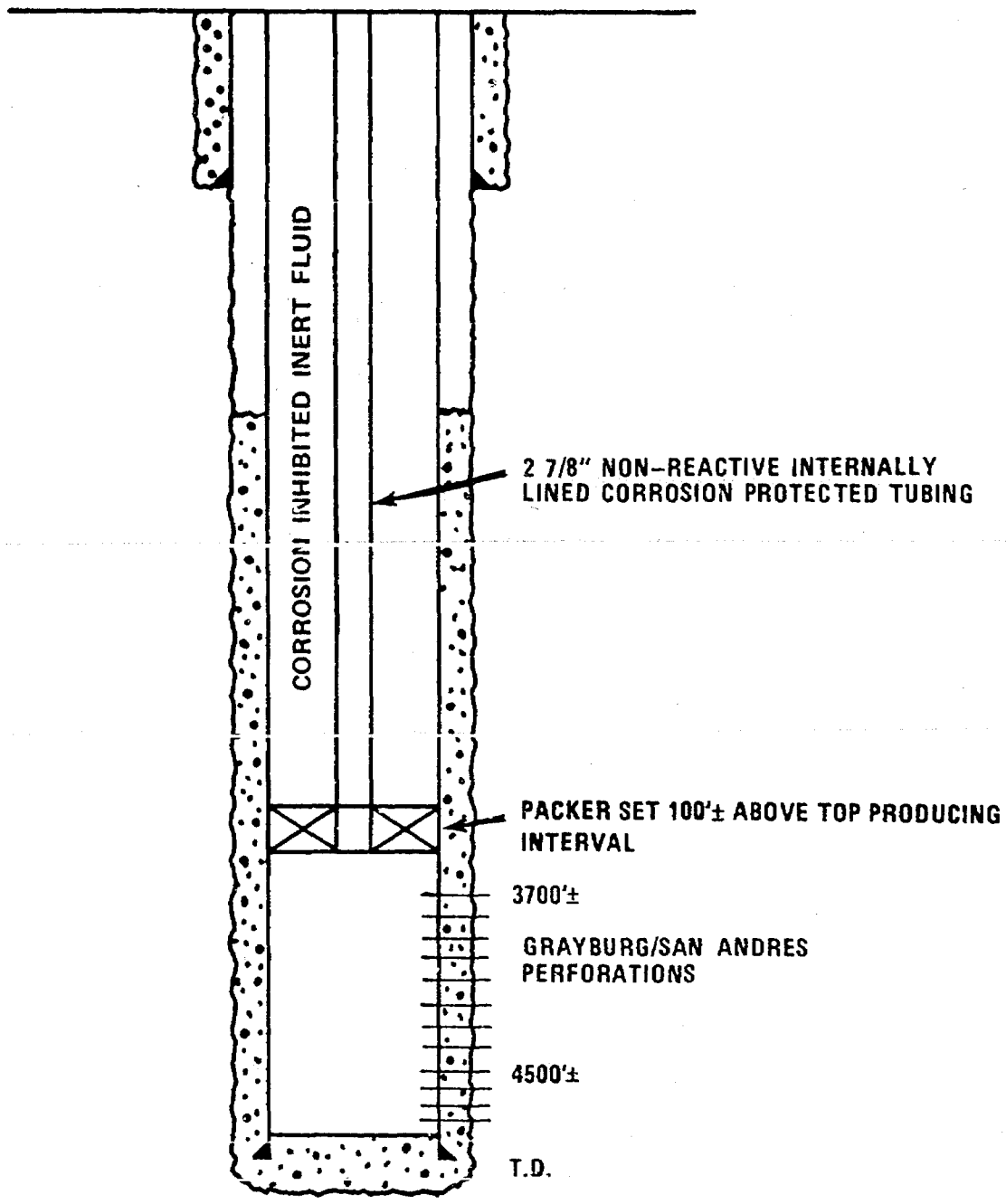
OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: DST #1 5/12/56 (4253-70') - Open 2 hrs., closed in 20 min. No gas to surf. Rec. was 60' of gas cut drlg. mud & 30' grey colored drlg mud. DST #2 5/12/56 (4280-90') - Open 2 hrs., closed in 20 min. Gas to surf. in 5 min. No fluid to surf. Rec. 330' of oil & gas cut mud & 200' of salty water.

DATE 8-21-78 KLJ

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT

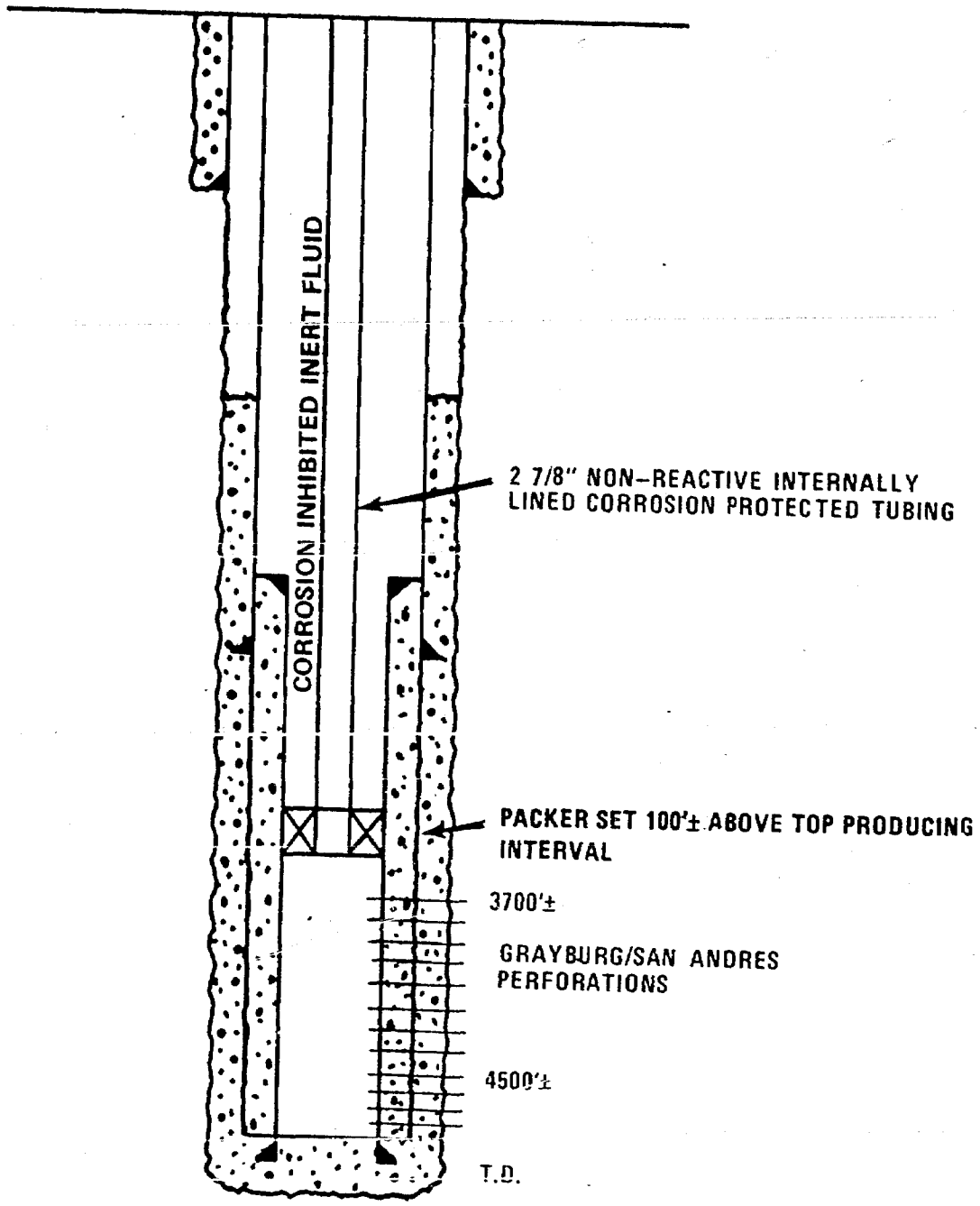


SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
TWO CASING STRINGS

PRESSURE MAINTENANCE PROJECT
EXHIBIT "6"

2Z00969-02

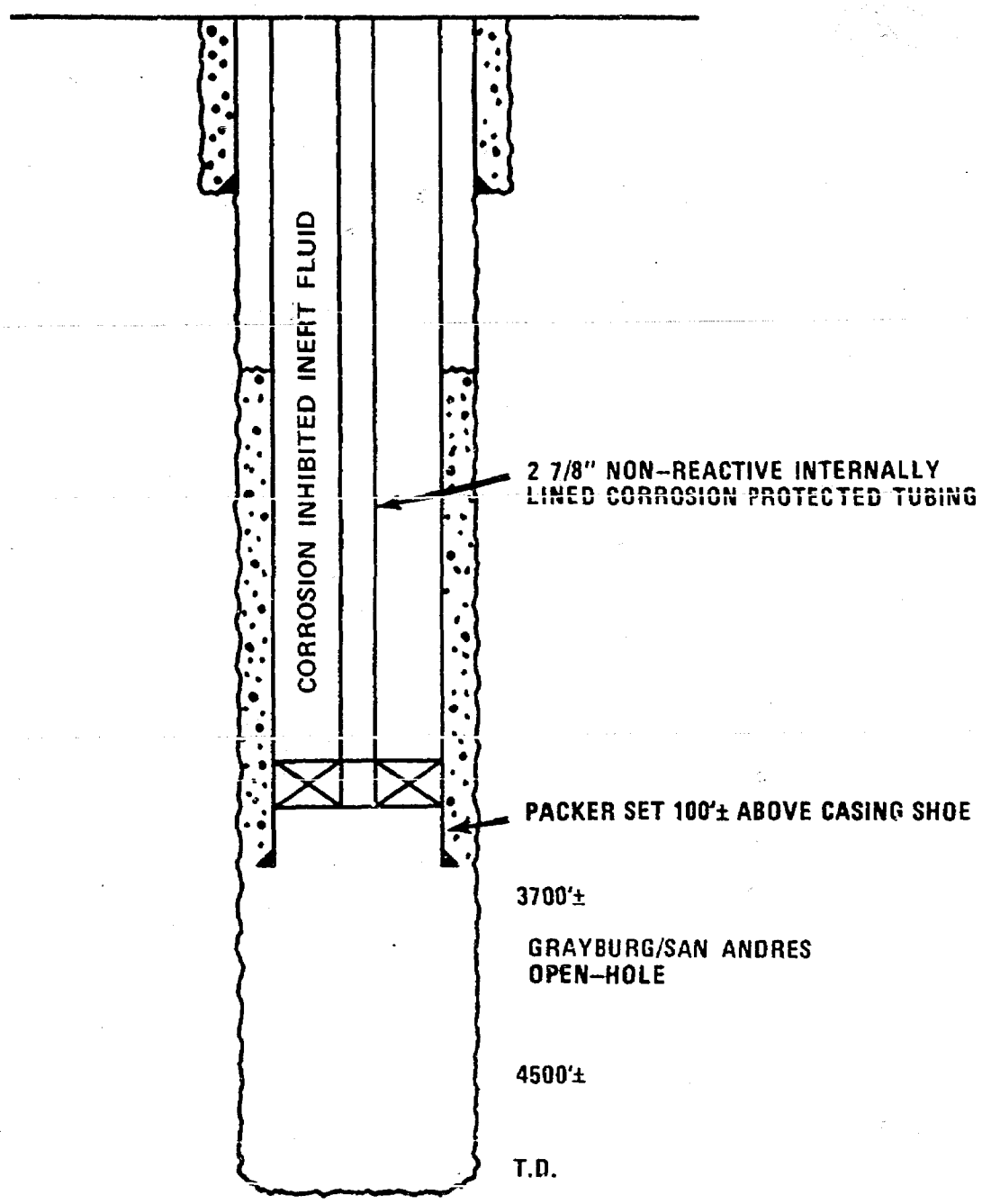
NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
W/LINER

2Z00969-07

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
OPEN-HOLE COMPLETION

NORTH HOBBS (G/SA) UNIT

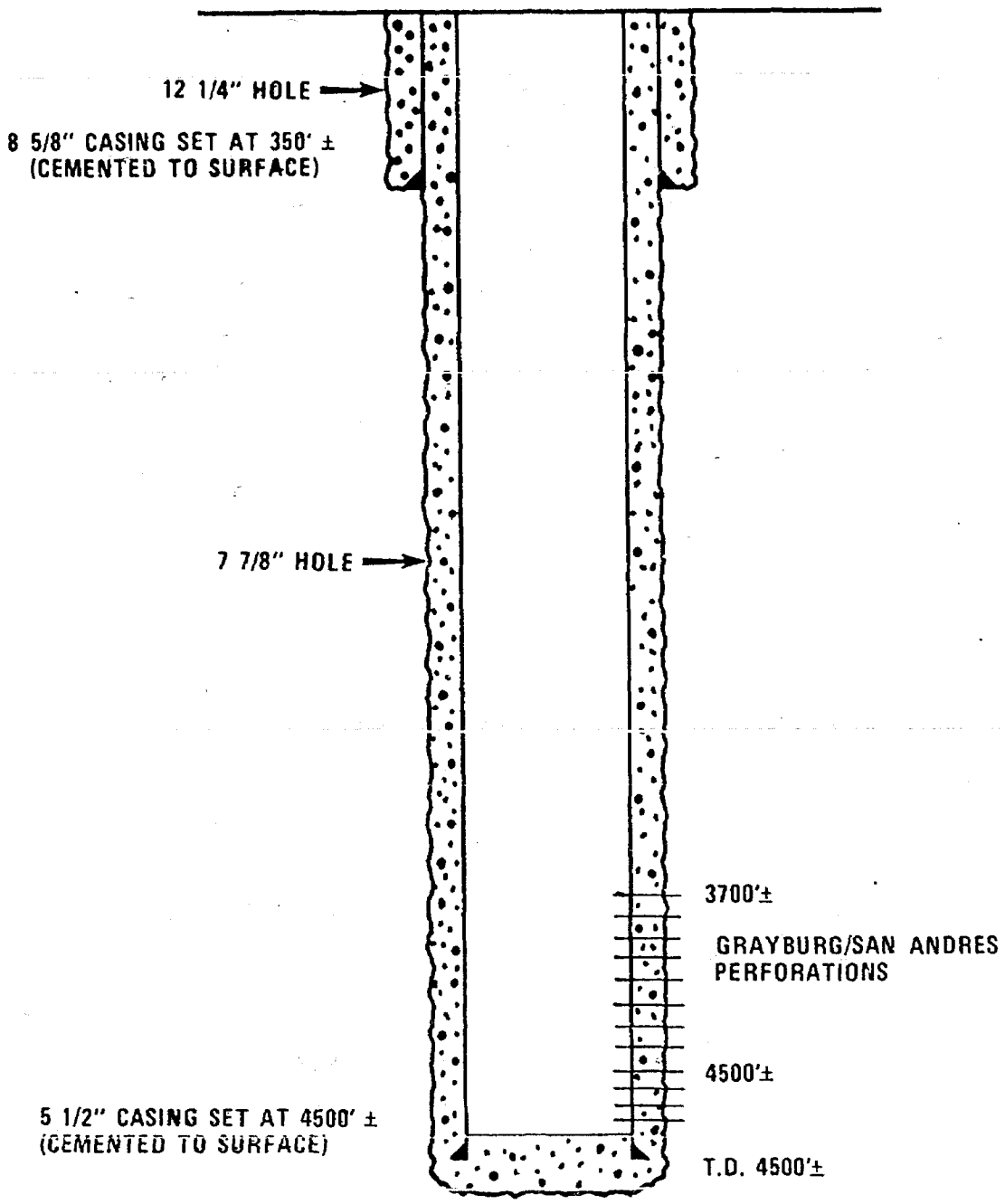
WELL NUMBERS
(BUDGET APPROVED)
NEW DRILLING WELLS

Sec.	Unit Letter	Unit Well #	Proposed Location	Zone	Type
24	N	24-242	1220' FSL & 2540' FWL	SA ZN II, III U	Inj.
29	M	29-142	1220' FSL & 100' FWL	SA ZN II, III UL	Inj.
33	D	33-112	1220' FNL & 100' FWL	SA ZN II, III UL	Inj.
18	N	18-242	1220' FSL & 2540' FWL	SA ZN II, III U	Inj.
19	M	19-142	1220' FSL & 100' FWL	SA ZN II, III U	Inj.
19	O	19-242	1220' FSL & 254' FWL	SA ZN II, III U	Inj.
25	A	25-412	1220' FNL & 1220' FEL	SA ZN II, III U	Inj.
29	D	29-112	330' FNL & 1000' FWL	Grayburg	Inj.
29	N	29-242	1220' FSL & 1650' FWL	SA ZN II, III UL	Prod.
30	F	30-222	2540' FNL & 1420' FWL	SA ZN II, III U	Inj.
31	I	31-432	2540' FSL & 1220' FEL	SA ZN II, III U	Inj.
31	P	31-442	100' FSL & 1220' FEL	SA ZN II, III U	Inj.
32	A	32-412	1220' FNL & 1220' FEL	SA ZN II, III UL	Inj.
32	E	32-122	2310' FNL & 1220' FWL	SA ZN II, III UL	Inj.
32	I	32-432	2310' FSL & 1310' FEL	SA ZN II, III UL	Prod.
32	N	32-242	100' FSL & 1420' FWL	SA ZN II, III UL	Inj.
32	P	32-442	100' FSL & 1220' FEL	SA ZN II, III UL	Inj.
33	C	33-212	1220' FNL & 1440' FWL	SA ZN II, III UL	Inj.
33	J	33-332	2540' FSL & 2540' FEL	SA ZN II, III UL	Prod.
33	K	33-232	1420' FSL & 1420' FWL	SA ZN II, III UL	Prod.
33	N	33-242	100' FSL & 1420' FWL	SA ZN II, III UL	Inj.
33	O	33-342	100' FSL & 1420' FEL	SA ZN II, III UL	Inj.
14	P	14-441	625' FSL & 750' FEL	SA ZN II, III UL	Prod.

PRESSURE MAINTENANCE PROJECT
EXHIBIT "7"

2Z00969-04

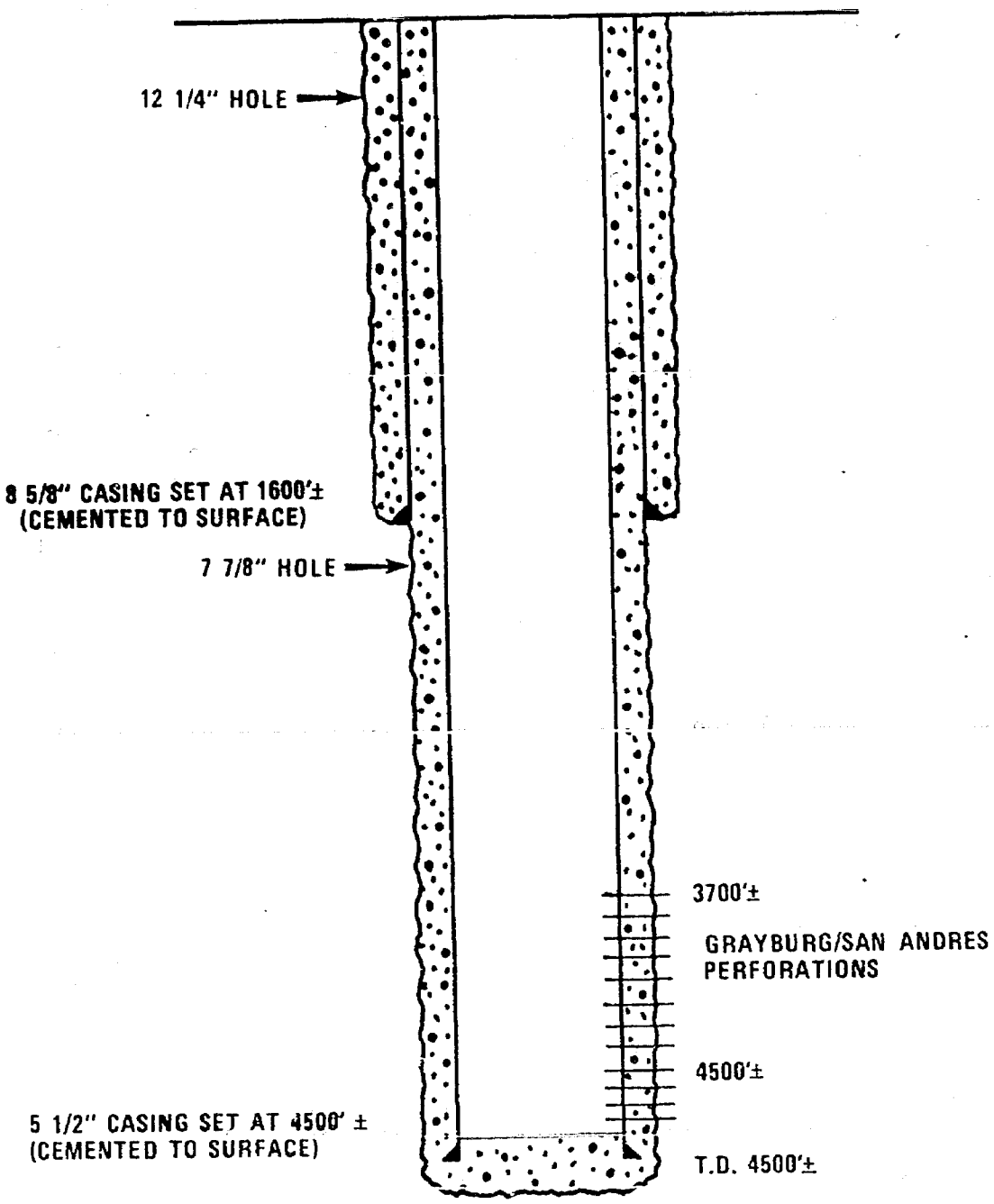
NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED PRODUCING WELL
SURFACE CASING TO 350'±

PRESSURE MAINTENANCE PROJECT
EXHIBIT "8"

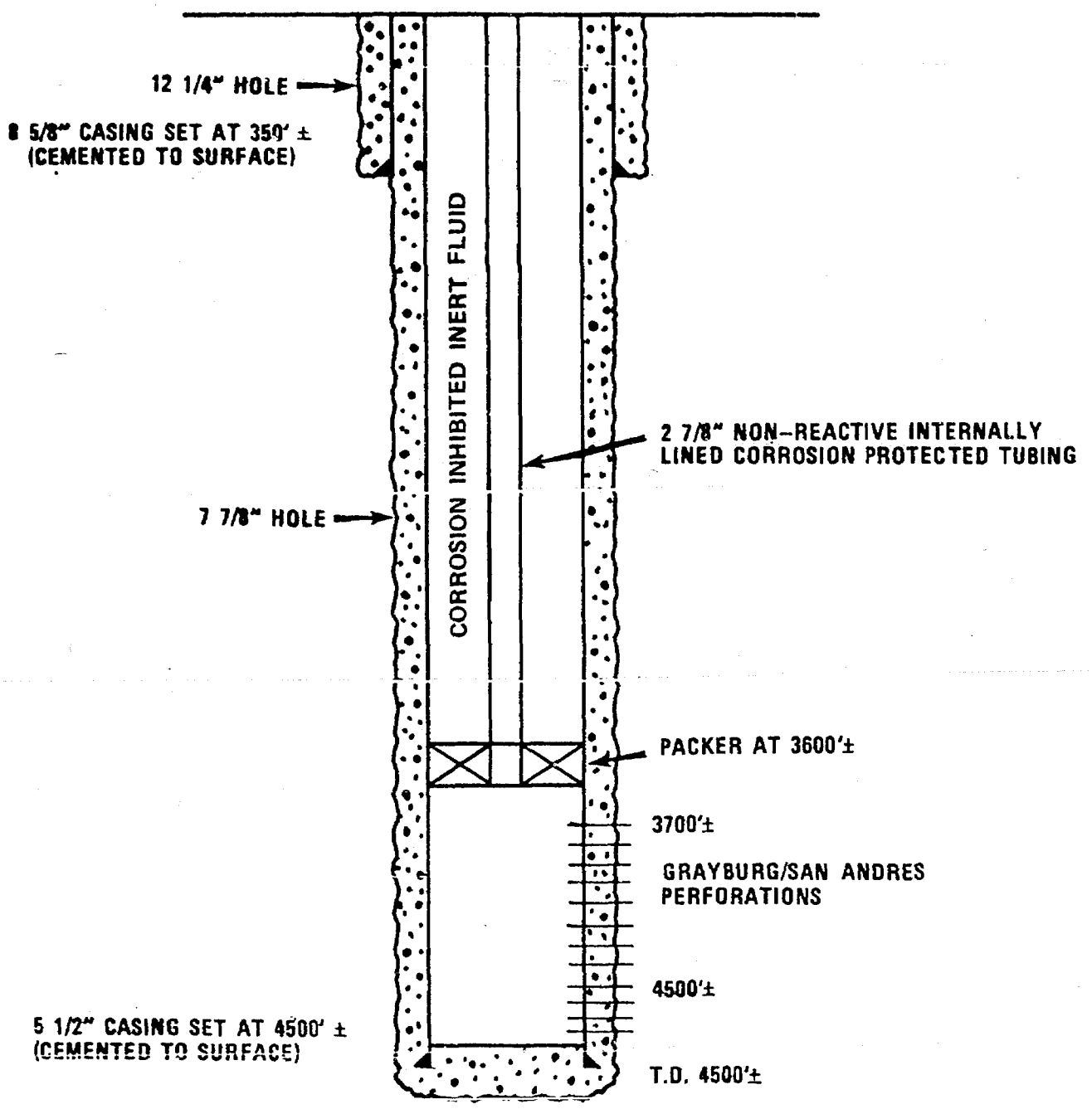
NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED PRODUCING WELL
SURFACE CASING TO 1600'±

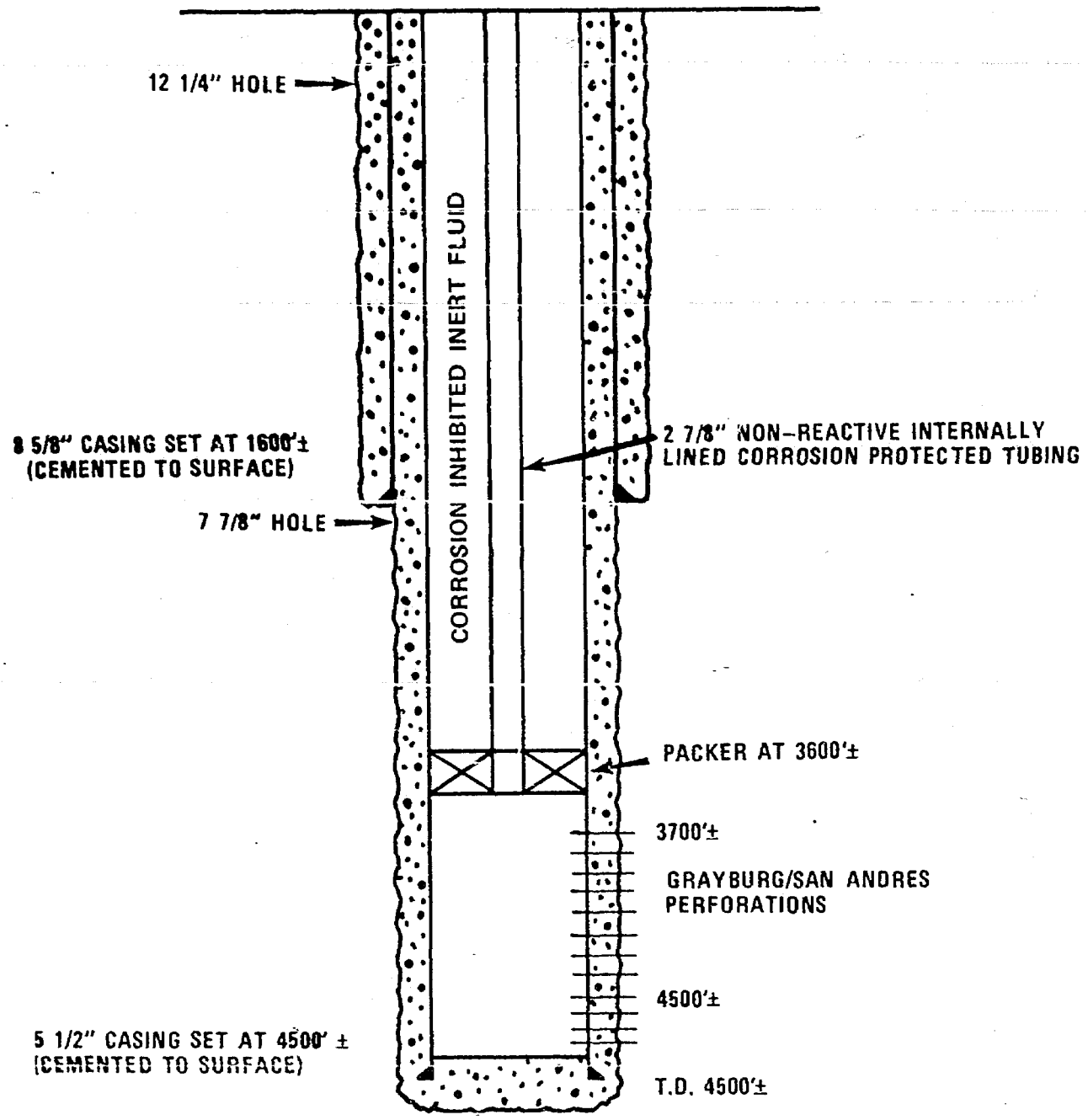
2Z00969-01

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED INJECTION WELL
SURFACE CASING TO 350'±

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED INJECTION WELL
SURFACE CASING TO 1600'±

UNAVAILABLE LOGS FOR PROPOSED INJECTION WELLS

OPERATOR	LEASE NAME & WELL NO.
Antwiel	Hobbs CT No. 1
Cities Service	Fowler No. 2
Continental	Grimes No. 4
Exxon	New Mexico State No. 1
Getty	Hardin No. 4
Bill Sweet	Bowers "B" No. 2-A

PRESSURE MAINTENANCE PROJECT
EXHIBIT "9"

PRESSURE MAINTENANCE PROJECT
EXHIBIT "10"

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion Date
32A	Amerada Hess - "A" State #4 660' FNL & 2130' FEL	3654' GL	6000	5990	11 3/4" 8 5/8" 5 1/2" Lnr.	31# 24# 15.5#	380 3910 3695/5998	300 SX 590 SX 315 SX	Circ.* 1700* 3695	15" 11" 7 7/8"	5912-5966 (Blinebry)	04-69	
32A	Amerada Hess - "A" State #5 660' FNL & 660' FEL	3660' DF	8044	6954	11 3/4" 8 5/8" 5 1/2" & 7" Lnr.	31# 32# 23, 15.5#	361 3716 3701/6998	230 SX 390 SX 351 SX	Circ.* 2404* 3701*	15" 11" 7 7/8"	5905-5937 (Blinebry) 6614-6936 (Drinkard)	03-69	
29F	Amerada Hess - "B" Hobbs St. #1 2310 FNL & 1650 FWL	3655' DF	7075	7061	9 5/8" 7" 4 1/2"	36# 23# 9.5#	358 3850 7075	200 SX 250 SX 425 SX	Circ.* 2104* 5275*	12 1/4"** 8 1/2"** 6 1/4"**	6705-7030 (Drinkard)	01-71	
29G	Amerada Hess - "B" Hobbs St. #2 2310' FNL & 1650' FEL	3654' DF	7050	7032	12 3/4" 8 5/8" 5 1/2"	50# 24# 15.5#	356 3795 7050	400 SX 300 SX 435 SX	Circ.* 2723* 6614*	15"** 11"** 7 7/8"**	6680-6992 (Drinkard)	10-70	
33E	Amoco - "O" State #3 1980' FNL & 660' FWL	3657' KB	7040		13 3/8" 9 5/8" 7"	48# 36# 26#	425 3958 7040	400 SX 550 SX 700 SX	Circ.* 2340* 2820*	17 1/2" 12 1/4" 8 5/8"	5854-5961 (Blinebry) 6829-6933 (Drinkard)	10-69	09-71
33F	Amoco - "O" State #4 1980' FNL & 1650 FWL	~~3660' DF~~	~~6009'~~	5972'	11 3/4" 8 5/8" 5 1/2"	42# 32# 14#	420 3752 6009	540 SX 370 SX 400 SX	Circ. 2430* 3910*	17 1/2" 11" 7 7/8"	5930-5962 (Blinebry)		
29O	Chevron - "A" State #5 330' FSL & 2218' FEL	3653' DF	7025		11 3/4" 8 5/8" 5 1/2" Lnr.	42# 32# 20#	364 3808 3578/7022	370 SX 300 SX 530 SX	Circ. 2736* 4302*	15" 11" 7 7/8"	5918-5968 (Blinebry) 6648-6730 (Drinkard)	07-69	
29P	Chevron - "A" State #6 330' FSL & 660' FEL	3646' GL	7015	6511	13 3/8" 9 5/8" 5 1/2" Lnr.	48# 36# 17#	378 3000 2549/7012	400 SX 600 SX 700 SX	Circ.* 2236* 3420*	17 1/2" 12 1/4" 8 3/4"	5882-5939 (Blinebry)	10-69	
29N	Continental - "A-29" State #7 660' FSL & 1850' FWL	3653' DF	6050		11 3/4" 8 5/8" 5 1/2"	42# 24# 15.5#	360 3800 6050	250 SX 240 SX 405 SX	Circ.* 2942* 3972*	15" 11" 7 7/8"	5823-5941 (Blinebry)	02-69	
29K	Continental - "A-29" State #9 2150' FSL & 1800' FWL	3655' DF	5960		11 3/4" 8 5/8" 5 1/2"	42# 32# 17#	360 ~~3800~~ 5960	250 SX ~~240 SX~~ 405 SX	Circ.* ~~2942*~~ 3882	15" 11" 7 7/8"	5796-5924 (Blinebry)	04-69	
33L	Continental - "A-33" State #12 2175' FSL & 625' FWL	3649' DF	7018		13 3/8" 9 5/8" 7"	48# 36# 23#	422 3750 7018	375 SX 325 SX 525 SX	Circ.* 2796* 3854*	17 1/2" 12 1/4" 8 3/4"	6668-6943 (Drinkard)	09-69	
30I	Exxon - "A" Bowers #1 1980' FSL & 660' FEL	3657' DF	6000		12 1/2" 9 5/8" 7" 4 1/2"	- - - -	205 2750 3962 6000	180 SX 620 SX 528 SX 275 SX	Circ.* 928* 778* 3606*	17" 11 1/2" 8 3/4" 6 1/4"	5812-5922 (Blinebry)	11-41	04-69 04-71
30P	Exxon - "A" Bowers #30 330' FSL & 660' FEL	3652' DF	6000		11 3/4" 8 5/8" 4 1/2"	31# 24# 9.5#	362 3850 6000	300 SX 500 SX 550 SX	Circ.* 2062* 1210*	15"** 11"** 6 1/4"**	5849-5946 (Blinebry)	06-69	
29N	Exxon - USA Bowers #28 660' FSL & 990' FWL	3650' DF	6000	5958	11 3/4" 8 5/8" 5 1/2"	42# 32# 15.5#	373 3849 5989	300 SX 500 SX 450 SX	Circ.* 2061* 3681*	15" 11" 7 7/8"	5856-5928 (Blinebry)	04-69	
29L	Exxon - USA Bowers #29 2150' FSL & 990' FWL	3654' DF	6000		11 3/4" 8 5/8" 4 1/2"	42# 32# 9.5#	369 3850 6000	300 SX 500 SX 450 SX	Circ.* 2062* 2082*	15"** 11"** 6 1/4"**	5831-5889 (Blinebry)	06-69	
29E	Exxon - USA Bowers #31 1980' FNL & 660' FWL	3656' DF	7050		11 3/4" 8 5/8" 5 1/2"	42# 32# 17#	372' 3836' 7038'	300 SX 500 SX 650 SX	Circ. 2300'(TS) 3630*	15" 11" 7 7/8"	6896-6958 (Drinkard)	07-69	
29I	Getty-Grimes #6 1420' FNL & 555' FEL	3659' DF	7050	7018	13 3/8" 9 5/8" 7"	48# 36# 23#	422 3847 7049	400 SX 2100 SX 800 SX	Circ. Circ. 2200(TS)	17 1/2" 12 1/4" 8 3/4"	5940-6038 (Blinebry)	02/01/70	
30H	Getty - McKinley #8 2310' FNL & 430' FEL	3659' DF	6059	6057	13 3/8" 8 5/8" 5 1/2"	48# 32# 17#	383 3842 6057	400 SX 1400 SX 350 SX	Circ. Circ.* 2000 (TS)	17 1/2" 11" 7 7/8"	5757-5901 (Blinebry)	06-69	
30G	Getty - McKinley #9 2235' FNL & 2310' FEL	3660' DF	7009	6970	13 3/8" 9 5/8" 7"	48# 36# 26#	378 3851 7000	400 SX 1148 SX 650 SX	Circ.* Circ.* 3082*	17 1/2" 12 1/4" 8 3/4"	5823-5908 (Blinebry) 6927-6965 (Drinkard)	10-69	
30B	Getty - McKinley #10 405' FNL & 2272' FEL	3664' DF	6050	6045	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	382 3849 6047	400 SX 1250 SX 570 SX	Circ. 500 (TS) 1500 (TS)	17 1/2" 11" 7 7/8"	5851-5951 (Blinebry)	11-69	
33H	Gulf - "B" Grimes #8 2115' FNL & 600' FEL	3645' GL	7100	6935	13 3/8" 9 5/8" 7"	48# 40# 23#	398 3960 7100	450 SX 1600 SX 470 SX	Circ. Circ. 2510 (TS)	17 1/2" 12 1/4" 8 3/4"	6654-6850 (Drinkard)	02-75	

Sec., Unit	Operator/Lease Name/Well No., Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Casing Amt. of Cmt.	Casing TOC	Hole Size	Producing Interval	Completion Date	Recompletion Date
33B	Gulf - "B" State #7 450' FNL & 2160' FEL	3645' GL	7100	6643	13 3/4" 9 5/8" 7"	48# 36# 23#	368 3859 7099	400 SX 2000 SX 485 SX	Circ. Circ. 3635 (TS)	17 1/2"** 11 1/4"** 8 3/4"**	5848-5988 (Blinebry)	03-70	
32D	Gulf - "NCT-A" Grimes #16 800' FNL & 700' FWL	3636' GL	7050	7092	9 5/8" 7"	36# 23#	1497 7039	575 SX 2925 SX	Circ. Circ.	12 1/4"** 8 3/4"	5389-5391 (Glorieta) 5871-6083 (Blinebry)	08-68	
32C	Gulf - "NCT-A" Grimes #17 660' FNL & 1980' FWL	3645' GL	6150	5970	13 3/8" 9 5/8" 7"	48# 36# 23#	366 3339 6149	370 SX 1450 SX 515 SX	Circ. Circ.* 2510 (TS)	17 1/2" 12 1/4" 8 3/4"	5780-5949 (Blinebry)	11-68	
32F	Gulf - "NCT-A" Grimes #18 1650' FNL & 2080' FWL	3642' GL	6020	6000	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	351 3799 6019	335 SX 300 SX 505 SX	Circ.* 2222* 2470 (TS)	17 1/2" 11" 7 7/8"	5772-5928 (Blinebry)	02-69	
32J	Marathon - State #9 2130' FSL & 1980' FEL	3642' GL	7000	6280	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	316 3799 3573/6998	360 SX 1140 SX 490 SX	Circ. 430 (TS) 6044*	17 1/2" 11 1/4" 8 3/4"**	5954-5968 (Blinebry)	01-70	
32G	Shell - "A" State #6 1930' FNL & 2310' FEL	3635' GL	6020	5952	13 3/8" 8 5/8" 5 1/2" Lnr.	42# 32# 15.5#	357 3820 3566/6020	350 SX 800 SX 500 SX	Circ. 2040* 3454*	17 1/2" 12 1/4" 7 7/8"**	5805-5929 (Blinebry)	04-69	
32H	Shell - "A" State #7 1930' FNL & 660' FEL	3646' DF	7020	6981	13 3/8" 8 5/8" 5 1/2" Lnr.	40# 24, 32# 15.5#	350 3790 3580/7015	350 SX 1300 SX 650 SX	Circ. 898* 3580	17 1/2" 12 1/4" 7 7/8"**	5829-5866 (Blinebry) 6659-6932 (Drinkard)	07-69	08-69
33D	Shell - "B" State #5 660' FNL & 660' FWL	3657' DF	7000	5497	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	360 3799 3593/7000	350 SX 1850 SX 688 SX	Circ. Circ.* 3597*	17 1/2"** 12 1/4"** 8 3/4"**	5856-5975 (Blinebry) 5389-5442 (Paddock)	08-69	10-76
33C	Shell - "B" State #6 660' FNL & 1980' FWL	3654' DF	7100	7062	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	350 3815 3609/7100	300 SX 1400 SX 805 SX	Circ.* Circ.* 3609*	17 1/2" 12 1/4" 8 3/4"	5948-5956 (Blinebry) 6639-6951 (Drinkard)	12-69	
28M	Shell - Grimes #9 733' FSL & 731' FWL	3657' DF	7102	7065	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	372 3787 3513/7102	350 SX 1400 SX 720 SX	Circ.* Circ.* 3513*	17 1/2"** 12 1/4"** 8 3/4"**	5892-5979 (Blinebry) 6629-6956 (Drinkard)	10-69	
28N	Shell - Grimes #11 750' FSL & 1790' FWL	3655' DF	6350	6000	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	348 3805 3602/6350	250 SX 1400 SX 497 SX	Circ. Circ.* 3502	17 1/2" 12 1/4" 8 3/4"	5850-5967 (Blinebry)	10-69	
25P	Rice Hobbs SWD #P-25	3661' KB	4753		12 1/2" 9 5/8" 7" 5"	50# 36# 26# 15#	209' 600/2736' 2400/4110 4753	250 SX 650 SX 350 SX 1200 SX	Circ. 340	15"** 12"** 8 3/4"** 6 1/2"**	4446-4735	12-58	03-77
29F	Rice Hobbs SWD #P-29 1880' FNL & 1742' FWL	3653.8' KB	5052		9 5/8' 7"	32.3# 20#	450' 4706'	300 SX 600 SX	Circ. 1900' (TS)	12 1/4" 8 3/4"	4706-5052' (6 1/4" OH)	08-60	

PENETRATE THE INJECTION ZONE

Sec. Unit	Operator/Lease Name/Well No. Location	Elevs.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	Casing TOC	Hole Size	Producing Interval	Completion Date	Date of Abandonment
32B	Amerada - Hobbs State #5 2280' FNL & 1980' FWL	3555' GL	5986	P&A	9 5/8" 7" 4 1/2"	36# 23# 11.6#	364 3826 5986	200 SX 140 SX 186 SX	Circ.* 2975* 4340*	12 1/4" 8 3/4" 6 1/4"	5823-5879' (Blinebry)	01-71	05-11-73
36I	Amerada - State "D" #1 2310' FSL & 330' FEL	3654' GL	4215	P&A	7" 4 1/2"	23# 10.5, 11.6#	1555 4215	400 SX 300 SX	Circ. 2350 (TS)	8 3/4" 6 1/4"	4138-4244 (G/SA)	12-68 12-68	10-27-70
28F	Arco - Grimes #2 1650' FNL & 2350' FNL	3654' GL	4243	P&A	13 1/4" 10" 6 5/8"	70# 45# 24#	233 2702 3974	200 SX 700 SX 250 SX	Circ.* 1965* 3270*	18"** 13"** 8 1/2"**	3974-4243 (G/SA)	12-32 12-32	04-18-59
29F	Chevron - State "A" #1 992' FSL & 988' FEL	3651' GL	4090	3260 3260	13 3/8" 9" 6 5/8"	48# 45# 24#	217 2735 3907	200 SX 500 SX 350 SX	Circ.* 1405* 1813*	16" 12" 8 3/4"**	3907-4090 (G/SA)	08-30	10-14-46
29O	Chevron - State "A" #2 990' FSL & 1650' FEL	3651' GL	4171	3060	13 3/8" 9 5/8" 7"	50# 36# 20#	242 2822 3951	150 SX 225 SX 300 SX	70* 469* 2137*	18" 12" 8 3/4"	3155-3175 (G/SA) 3951-4130 (G/SA)	09-30	1946
13K	Continental - State "B-13" 3 3300' FNL & 3300' FEL	3684' DF	4243	D&A	13" 9 5/8" 7"	50# 36# 24#	274 1622 3951	200 SX 400 SX 400 SX	Circ.* 438* 1149*	16"** 12 1/4"** 8 1/2"**	3290-3309 (Bowers) 3951-4145 (G/SA)	06-36	06-03-36
13O	Continental - State "B" - 13 #2 660' FNL & 660' FWL	3686' DF			Not drld; cancelled 11-13-57								
13O	Continental - North Hobbs Unit #1 660' FNL & 660' FWL	3686' DF	8877	D&A	13 3/8" 9 5/8"	48# 36, 40#	330 5134	375 SX 840 SX	Circ.* 2700*	17 1/2" 12 1/4"	5134-8877 (D&A)	05-60	05-26-60
14F	Bates Engr. - Stanolind St. #1-A 330' FSL & 330' FEL	3677' DF	4135	P&A	10 3/4" 7"	40.5# 20#	265 3911	200 SX 150 SX	Circ.* 3539*	15" 10 3/4"	3911-4135 (G/SA)	12-52	01-06-65
29D	Exxon - Bowers "B" Fed. #1 330' FNL & 330' FWL	3656' DF	4186	P&A	15 1/2" 9 5/8" 7"	70# 36# 26#	235 2716 3987	225 SX 650 SX 300 SX	Circ.* 830* 1840*	18"** 12 1/4"** 8 1/2"**	3987-4186 (G/SA)	11-32	12-21-71
20J	Exxon - Bowers "B" #2 330' FSL & 330' FWL	3647' DF	4247	P&A	15 1/2" 10 3/4" 7"	70# 40# 26#	225 2810 4050	225 SX 700 SX 300 SX	Circ.* 750* 1950*	18"** 13 1/2"** 8 1/2"**	4050-4247 (G/SA)	12-32	05-06-46
29A	Exxon - Grimes #2 990' FNL & 660' FWL	3644' GL	4045	D&A	8 5/8" 5 1/2"	32# 14, 17#	100 3205	150 SX 450 SX	Circ.* 765*	11" 7 7/8"	3205-4045 (Bowers G/SA)	03-17-48	03-23-48
18E	Exxon - Boon Hardin #1 990' FNL & 330' FWL	——	4720	D&A	15 1/2" 9 5/8" 7"	70# 36# 24#	222 2820 4010	225 SX 650 SX 300 SX	Circ.* 910* 1910*	18"** 12 1/4"** 8 1/2"**	4010-4720 (G/SA)	05-11-33	05-15-33
20F	Exxon - Bill Sweet B "US" #3 330' FSL & 990' FEL	3645' GL	4226		15 1/2" 9 5/8" 7"	70# 36# 24#	250 2820 4015	225 SX 650 SX 300 SX	Circ.* 910* 1915*	18"** 12 1/4"** 8 1/2"**	4015-4226 (G/SA)	02-33	09-01-49
20F	Exxon - Bill Sweet B "US" #3-A 330' FSL & 700' FEL	3647' DF	4230	P&A	10 3/4" 7"	40# 20#	258 4138	150 SX 600 SX	Circ. 522*	13 1/2"** 8 3/4"**	4138-4230 (G/SA)	02-56	08-09-60
25J	Exxon - State "A" #3 1980' FEL & 1980' FSL	3667' DF	4220	P&A	12 1/2" 9 5/8" 7"	50# 36# 26#	207 2823 4100	250 SX 650 SX 350 SX	Circ.* 907* 1660*	14"** 12 1/4"** 8 1/2"**	4100-4220 (G/SA)	11-30	03-18-47
30O	Exxon - "A" Bowers #32 330' FSL & 1980' FEL	3646' GL	7075	P&A	13 3/8" 9 5/8" 3 1/2" 3 1/2"	48# 36# 7.7# 7.7#	385 3850 6140 7053	400 SX 550 SX 895 SX	Circ.* 610* 3620*	17 1/2" 11" 8 3/4" 8 3/4"	5725-5901 (Drinkard) 6974-6982	10-69	09-14-72
30J	Exxon - "A" Bowers #34 1980' FSL & 2820' FEL	3650' GL	7010	P&A	13 3/8" 9 5/8" 3 1/2" 3 1/2"	48# 36# 7.7# 7.7#	401 3850 6100 7010	400 SX 550 SX 895 SX	150* 3040* 4144*	17 1/2" 12 1/4" 8 3/4" 8 3/4"	5922-5955 (Drinkard) 6718-6912	05-69	09-26-72
29E	Exxon - USA Bowers #9 2310' FNL & 990' FWL	3654' DF	4200	P&A	12 1/2" 9 5/8" 7"	50# 36# 26#	226 2736 3976	650 SX 650 SX 300 SX	Circ.* 351* 1825*	14"** 11 3/4"** 8 1/2"**	3976-4200 (G/SA) 3222-27 (Bowers/7 Riv.)	09-30	01-02-62
29O	Exxon - USA Bowers #33 800' FNL & 660' FWL	3657' DF	6000	P&A	13 3/8" 9 5/8" 7"	48# 36# 23#	416 3850 5988	400 SX 550 SX 550 SX	Circ.* 3040* 2572*	17" 12 1/4"** 8 3/4"	5915-5953 (Blinebry)	07-69	10-03-72
14F	Getty - State "B" No. 3 2310' FNL & 2310' FWL	3686' DF	4324	P&A	8 5/8" 5 1/2"	24# 15.5#	341 4324	300 SX 600 SX	Circ.* 1095*	11" 7 7/8"	4219-4232 (G/SA)	01-50	08-27-60
29M	Getty - Grimes #5 1650' FNL & 990' FEL	3647' GL	4196	P&A	12 3/4" 9 5/8" 7"	50# 36# 24#	228 2735 3880	250 SX 600 SX 400 SX	Circ. 1133* 1084*	14"** 12 1/4"** 8 1/2"**	3880-4196 (G/SA)	12-30	06-29-50
29M	Getty - Grimes #2 2310' FNL & 990' FEL	3650' GL	4175	P&A	15" 9 5/8" 7"	70# 36# 24#	230 2718 3880	200 SX 600 SX 400 SX	Circ.* 954* 1227*	18"** 12 1/4"**	3880-4175 (G/SA)	9-30	07-03-51

PENETRATE THE INJECTION ZONE

Sec. Blk.	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Date of Abandonment
29I	Getty - Grimes WD #1 1650' FSL & 990' FEL	3650' GL	4160	P&A	12 1/2" 9 5/8" 6 5/8"	50# 36# 24#	236 3112 3826	200 SX 600 SX 100 SX	Circ.* 948* 2098*	14"** 12 1/4"** 8 1/2"**	3826-4200 (C/SA)	08-30	07-25-68
21G	Gulf - Morris #1 363' FNL & 2310' FEL	---	4255	P&A	10 3/4" 7	40# 23#	249 4085	155 SX 450 SX	Circ.* 941*	12" 8 1/4"	4083-4255 (C/SA)	10-42	10-27-43
21E	Gulf - North Grimes #4 1350' FSL & 1350' FWL	3643' GL	4225	P&A	15" 7"	40# 24#	247 4176	150 SX 1300 SX	Circ.* Circ.*	18" 9 7/8"	4126-4225 (C/SA)	04-36	02-08-49
21G	Gulf - Corcoran Morris #1 1980' FNL & 1980' FEL	3640' GL	11,211	D&A	13 3/8" 9 5/8" 5 1/2" liner	48# 36#	250 4239 4201/4230	300 SX 2620 SX 500 SX	Circ.* Circ.* 4647*	17 1/2" 12 1/4" 7 1/2"**	3688-3855 4250-4495 (C/SA) 6153-6181	11-56	01-11-57
32C	Gulf - Grimes (MCT-A) #4 330' FNL & 2310' FWL	3640' GL	4153	P&A	13 3/8" 9 5/8" 6 5/8"	70# 36# 24#	220 2742 3931	200 SX 600 SX 400 SX	Circ. 930* 1890*	18"** 12 1/4"** 8 3/4"**	3630-3700 (C/SA)	08-30	08-21-40
36C	Gulf Holt (MCT-D) #1 330' FNL & 2310' FWL	3670' GL	4235	P&A	8 5/8" 5 1/2"	24# 14#	434 4275	325 SX 400 SX	Circ. 2233*	11" 7 7/8"	3838-4034 4242-72	06-51	04-76
30H	Marathon - St. Land Sec. 30 #4 330' FNL & 330' FWL	3662' DF	4215	P&A	16" 9 5/8" 7"	65.3# 40# 24#	260 2350 3946	225 SX 500 SX 350 SX	Circ.* 1280* 1500*	18"** 12 1/4"** 8 1/2"**	3946-4215 (C/SA) 3758-3850	11-30	01-25-57
32J	Marathon - St. Land Sec. 32 #1 2970' FNL & 1650' FEL	3636' GL	4176	P&A	11 1/2" 10 3/4" 7"	50# 41# 24#	3482 2776 3850	175 SX 200 SX 275 SX	1264* 2242* 2192*	17"** 13 1/2"** 8 3/4"**	3244-4176 (Bowers - C/SA) 3140-3203 (Bowers)	04-48	07-21-58
20G	Moran - SH - 20 #1 1650' FNL & 1650' FEL	3656' DF	6175	D&A	8 5/8"	24#	305	225 SX	Circ.	12 1/4"	D&A (Ellenburg)	03-62	10-08-62
32G	Shell St. "A" #1	3638' DF	4175	3750	12 1/2" 9" 7"	50# 36# 24#	222 2755 3850	135 SX 600 SX 200 SX	102* 1045* 3132*	16"** 10 1/2"** 8 1/2"**	3650-4175	06-09-30	09-03-41
19I	Shell - McKinley "A" #8 2310' FSL & 1320' FEL	3659' DF	4270	P&A	12 1/2" 9 5/8" 7" 4 1/2" Liner.	50# 36# 24# 11.6#	235 2810 3970 3850/4232	300 SX 600 SX 225 SX 70 SX	Circ.* 1046* 2398* 3699*	17"** 12 1/4"** 8 1/2"** 6"**	3970-4210 (C/SA) 4237-4270 (C/SA) 3740-3841	09-30	04-17-63
19J	Shell - McKinley "A" - 19 #1 2310' FSL & 1650' FEL	3655' DF	9550	D&A	13 3/8" 9 5/8"	48# 36, 40#	351 4498	350 SX 2500 SX	Circ.* Circ.*	17" 12 3/4"	4498-9550 3260-3301 (Bowers)	D&A 08-26-62	02-19-63
17O	Shell - State "BC" #1 990' FNL & 330' FWL	3667' DF	4360	D&A	7 5/8" 4 1/2"	24# 11.6#	266 4360	230 SX 350 SX	Circ. 2074*	9 7/8" 6 3/4"	-	01-62	03-30-62
14P	Shell - State "E" #1 4620' FNL & 330' FEL	3686' DF	4180	P&A	12 1/2" 9 5/8" 7"	50# 36# 24#	229 1612 4014	150 SX 650 SX 280 SX	45* Circ.* 2326*	17" 12" 8 3/4"	4014-4190 (C/SA)	01-36	12-21-38
23A	Shell - State "F" #1 660' FNL & 330' FEL	3673' DF	4150	P&A	8 5/8" 4 1/2"	32# 9.5#	1592 4099	525 SX [illegible] SX	Circ.* [illegible]	11" [illegible]	4099-4122 (C/SA) [illegible] (Bowers) 2745-2860	09-48	10-15-57
27O	Shell - Saager #1 (Ring) 4633' FNL & 2638' FEL	3629' GL	4286	D&A	8 5/8" 5 1/2"	32# 14, 17#	246 4069	200 SX 350 SX	Circ.* 2173*	11" 7 7/8"	4069-4286 (C/SA)	01-48	01-14-48
20G	Sun - McKinley "B" #1 330' FSL & 330' FWL	3651' GL	8010	P&A	13" 7" 5, 5 1/2"	50# 26# 15.5# 18	253 4135 7543	150 SX 875 SX 350 SX	Circ.* 1130* 4489*	16"** 9 7/8" 6 1/4"	7543-8010	01-47	02-15-47
20G	Sun - McKinley "B" #1-A 2310' FNL & 1980' FWL	3655' GL	4270	P&A	10 3/4" 7" 5"	40.5# 20# 15.5#	278 4100 4050/4270	125 SX 350 SX 50 SX	Circ.* 1985* 4050*	13" 8 3/4" 6 1/4"	4147-90 (G)	03-52	
21E	Antwell - Norris #1 2310' FNL & 330' FWL	3651' DF	4294	D&A	10 3/4" 7"	40# 20#	283 4100	150 SX 150 SX	55* 3196*	15" 8 3/4"	4100-4294 (C/SA)	09-52	11-01-52
26D	Cactus Drlg. - Pan Am. St. #1 355' FNL & 990' FWL	3688' DF	4359	D&A	13 3/8" 5 1/2"	- 15.5#	310 3869	150 SX 150 SX	96* 3099*	17 1/4" 7 7/8"	3869-4359 3785-3807 3450-3595	05-57	08-57
12P	R. B. Collier - Pan Am. #1 660' FSL & 660' FEL	3680' DF	4368	D&A	10 3/4" 5 1/2"	24# 17#	260 4368	100 SX 300 SX	Circ. 2828*	15"** 7 7/8"	4291-4350 (C/SA)	01-30-58	06-13-58
7O	Landreth Prod. - State #1-A 440' FSL & 2200' FEL	3674' DF	4520	P&A	20" 12 1/2" 10" 7"	90# 50# 40# 26#	120 1727 3080 4133	Information not available				08-30	08-07-31
35H	Hobbs High Inc. - B.B. Tatum #1 990' FSL & 330' FWL	3610' DF	4100	D&A	12 1/2" 8" 6"		280 1600 4100	Information not available					05-36
20I	C. W. Sweet - Grimes #1	3643' GL	4246	P&A	12 1/2" 7"	50# 24#	232 4015	150 SX 550 SX	48* 699*	17"** 8 3/4"**	4015-4244 (C/SA)	11-34	11-20-52
26A	Viper - Gulf St. #1 330' FNL & 1650' FEL	3674' DF	4263	P&A	8 5/8" 6 1/2"	24# 11.6#	320 4263	200 SX 240 SX	Circ.* 3321*	11" 7 7/8"	4000-4256 (C/SA)	11-59	06-18-65

N. Hobbs (G/SA) Unit Well No.

Sec, Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
18H	141 Amerada Hardin #1 330' FSL & 330' FWL	3673 DF	4395	4151	16" 10 3/4" 8 5/8" 6 5/8" Lnr. 4 1/2" Lnr.	70# 45# 32# - -	222 2781 3923 3859/4346 4086/5393	250 SX 450 SX 275 SX 50 SX 100 SX	Circ.* 1656* 2133* 3859* 4086*	18 1/2"** 13 1/2"** 10"** 8 1/4"** 6 1/4"**	3933-4059 (G)	6-32	1-76 (TA)
18N	241 Amerada Hardin #2 330' FSL & 2310' FWL	3670 DF	4325		12 1/2" 9 5/8" 7" 5 1/2" Lnr. 4" Lnr.	50# 36# 24# - -	228 2802 3937 3817/4197 4140/4323	250 SX 450 SX 300 SX 50 SX 35 SX	Circ.* 1151* 2123* 3251* 4148*	16"** 11 3/4"** 8 3/4"** 6 1/4" 5"	3992-4052 (G) 4233-4285 (SA)	11-32	6-73 (TA)
18L	131 Amerada Hardin #3 2310' FSL & 330' FWL	3676 DF	4180	4046	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# -	225 2803 4134 4011/4180	250 SX 450 SX 300 SX -	Circ.* 1152* 2320* -	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4011-4046 (G)	6-33	6-73 (TA)
18K	231 Amerada Hardin #5 1980' FSL & 1901' FWL	3676 DF	4290	4164	7" 4 1/2"	17# 9.5#	327 4289	250 SX 185 SX	Circ. 2822	9 5/8" 6 1/4"	4004-4044 (G)	5-59	6-73 (TA)
30D	111 Amerada McKinley #1 330' FNL & 330' FWL	3650 GL	4230		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# 10.5#	231 2755 3851 3786/4229	250 SX 450 SX 200 SX 220 SX	Circ.* 1104* 2102* 3184*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	3851-4043 (G) 4043-4130 (SA)	7-30	
30F	221 Amerada McKinley #2 2310' FNL & 2310' FWL	3659 GL	4208		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# -	260 2750 3852 3799/4207	250 SX 535 SX 250 SX 125 SX	Circ. 787* 1666* 3799*	16" 11 3/4"** 8 1/4" 6 1/4"	3851-4041 (G) 4041-4208 (SA)	4-30	
30C	211 Amerada McKinley #3 330' FNL & 2310' FWL	3654 GL	4227		12 1/2" 9 5/8" 6 5/8"	50# 40# 24#	230 2647 3972	200 SX 400 SX 250 SX	Circ.* 1179* 2268*	16"** 11 3/4"** 8 1/4"**	3972-4227 (SA)	8-30	
30K	121 Amerada McKinley #4 2310' FNL & 330' FWL	3662 DF	4198		12 1/2" 9 5/8" 7"	50# 36# 24#	212 2749 3994	200 SX 400 SX 425 SX	Circ.* 1281* 1424*	16"** 11 3/4"** 8 3/4"**	3994-4066 (G) 4066-4114 (SA)	9-30	
32B	311 Amerada State A #1 990' FNL & 2310' FEL	3638 GL	4160		12 1/2" 9 5/8" 7"	50# 40# 24#	207 2739 3938	200 SX 425 SX 350 SX	Circ.* 1179* 1821*	16"** 11 3/4"** 8 3/4"**	3939-3964 (G) 3964-4160 (SA)	8-30	
32A	411 Amerada State A #2 330' FNL & 330' FEL	3658 DF	4160		12 1/2" 9 5/8" 7"	50# 36# 24#	224 2740 3939	200 SX 400 SX 500 SX	Circ.* 1272* 915*	16"** 11 3/4"** 8 3/4"**	4095-4160 (SA)	9-30	
29F	221 Amerada State B #1 2310' FNL & 1650' FWL	3653 DF	4214		12 1/2" 9 5/8" 5 1/2" 4 1/2"	50# 36# 24# -	210 2704 3997 4213	200 SX 400 SX 500 SX -	Circ.* 1236* 1373* -	16"** 11 3/4"** 7 7/8"** 5"**	4195-4185 (SA)		
29G	321 Amerada State B #2 2310' FNL & 1650' FEL	3652 DF	4207		12 1/2" 9 5/8" 7"	50# 36# 24#	221 2756 3995	250 SX 500 SX 300 SX	Circ.* 921* 2181*	16"** 11 3/4"** 8 3/4"**	3995-4058 (G) 4058-4207 (SA)		
29B	311 Amerada State B #3 990' FNL & 1650' FEL	3653 DF	4269		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	241 2776 4008 4234	250 SX 400 SX 500 SX 100 SX	Circ.* 1308* 984* 2343*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4044-4110 (G)	10-30	
29C	211 Amerada State B #4 330' FNL & 2310' FWL	3656 DF	4253		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# -	243 2796 4007 3957/4228	250 SX 400 SX 500 SX 130 SX	Circ.* 1328* 983* 3957*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4125-4150 (G) 4180-4253 (SA)	11-30	11-40 (Deepened SA)
36A	411 Amerada State C #1 330' FNL & 330' FEL	3658 DF	4236	4167	15 1/2" 10" 7"	70# 45# 24#	242 2750 4062	400 SX 500 SX 500 SX	Circ.* 1418* 1038*	18"** 12 3/4"** 8 3/4"**	4062-4163 (G)	1-31	
36H	421 Amerada State C #2 1650' FNL & 330' FEL	3658 DF	4210		8 5/8" 5 1/2"	24# 15.5#	367 4210	350 SX 400 SX	Circ.* 2111*	12 1/4" 7 7/8"	4044-4209	9-56	
36G	321 Amerada State C #3 1650' FNL & 1650' FEL	3663 DF	4293	4280	8 5/8" 5 1/2"	24# 15.5#	374 4286	350 SX 400 SX	Circ. 2825	12 1/4" 7 7/8"	4156-4262 (G)	11-56	10-74 (TA)
24E	121 Amerada State E #1 1650' FNL & 990' FWL	3682 DF	4319	4128	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 14#	228 2921 4053 4012/4249	250 SX 450 SX 300 SX -	Circ.* 1170* 2239* -	16"** 11 3/4"** 8 3/4"** 6 1/4"	4094-4115 (G) 4140-4150 (SA-Deane)	1-35	

*Calculated
**Estimate

PROPOSED NORTH HOBBS
(GRAYBURG - SAN ANDRES)
UNIT AREA

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	Perf	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
24D	111 Amerada State E #2 330' FNL & 990' FWL	3685 DF	4223		10 3/4" 7" 5 1/2" Lnr.	40# 24# 15#	211 3998 3947/4268	250 SX 500 SX 30 SX	Circ.* 976* 3942*	13 1/2"** 8 3/4"** 6 1/4"	4034-4054 (G) 4082-4148 (SA)	8-35	
14D	341 Amerada State WNB #1 660' FSL & 1650' FEL	3688 DF	4176		8 5/8" 5 1/2"	32# 15.5#	303 4163	250 SX 400 SX	Circ. 2610	12 1/4" 7 7/8"	4143-4176 (G)	11-57	9-74 (TA)
14K	231 Amerada State WNB #2 1650' FSL & 2110' FWL	3698 DF	4250	4247	8 5/8" 5 1/2"	24, 32# 14#	362 4249	250 SX 400 SX	Circ. 2705	12 1/4" 7 7/8"	4156-4228 (G)	8-58	6-71 (TA)
33E	121 Amoco State C #1 2310' FNL & 330' FWL	3640 GL	4279	4251	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 26# 9.5#	184 2755 3951 4251/4279	- - - 115 SX	- - - 4251*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4208-4223 (SA)	8-30	
33F	221 Amoco State C #2 2310' FNL & 1320' FWL	3643 GL	4262		12 1/2" 9 5/8" 7" 5"	50# 40# 26# -	209 2800 4012 4242	- - - 100 SX	- - - 3057*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4203-4214 (SA)	9-30	
21J	331 Antwell Hobbs CT #1 1650' FSL & 2266' FEL	3647 GL	4225	4222	8 5/8" 4 1/2"	20# 9.5#	430 4224	250 SX 485 SX	Circ. 2258*	11" 7 7/8"	4185-4206 (G)	10-64	
20O	341 Atlantic Grimes #1 330' FSL & 2310' FEL	3643 GL	4248		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 9.5#	232 2790 4037 3886/4248	200 SX 500 SX 300 SX 70 SX	Circ.* 9551 2223* 3886*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4037-4158 (G)	10-30	
28E	121 Atlantic Grimes SOC #1 2310' FNL & 330' FWL	3643 GL	4240	4242	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	228 2750 3942 3893/4250	265 SX 700 SX 300 SX 65 SX	Circ.* 181* 2128* 3893*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4139-4243 (SA)	9-30	
28F	221 Atlantic Grimes SOC #2A 1910' FNL & 1650' FWL	3646 GL	4240	4238	10 3/4" 7"	32, 75# 20, 23#	581 4240	600 SX 682 SX	Circ.* 1164*	15" 8 3/4"	4164-4240 (SA)	2-59	7-71 (Rec.)
28O	111 Atlantic Grimes SOC #3 990' FSL & 330' FWL	3646 GL	4280	4130	15 1/2" 10" 7" 4 1/2" Lnr.	70# 65# 26# 11.6#	296 2734 3956 3913/4234	200 SX 150 SX 250 SX 50 SX	Circ.* 2304* 2444* 3913*	18"** 12 3/4"** 8 3/4"** 6 1/4"**	4109-4121 (G)	7-34	
28C	211 Atlantic Grimes SOC #4 990' FNL & 2310' FWL	3649 GL	4220		15 1/2" 10 3/4" 7"	70# 45# 24#	243 2333 4036	300 SX 200 SX 400 SX	Circ.* 2428* 1617*	18"** 15"** 8 3/4"**	4036-4163 (G) 4163-4220 (SA)	9-35	
36B	311 Byrom Gulf Holt St. #1 330' FNL & 1650' FEL	3643 GL	4255	4212	8 5/8" 5 1/2"	24# 14#	222 4225	300 SX 450 SX	Circ.* 2605*	12 3/4" 8 3/4"	4214-4268 (G)	3-53	
20F	221 Chevron McKinley #1 2310' FNL & 1320' FWL	3644 GL	4290		13 3/8" 9 5/8" 7" 4 1/2" Lnr.	54.5# 36# 24# -	237 2770 4026 3900/4290	142 SX 700 SX 150 SX -	22* 738* 3119* -	17"** 12 1/4"** 8 3/4"** 6 1/8"	4227-4236 (G)	10-30	
20E	121 Chevron McKinley #2 1980' FNL & 660' FWL	3648 GL	5391		16" 7" 4 1/2" Lnr.	70# 24# -	259 4054 -	225 SX 275 SX -	256 4022 -	19 3/4" 8 5/8" 6 3/4"**	4216-4224 (SA)	5-33	
17L	131 Chevron State 17 #1 1650' FSL & 330' FWL	3644 GL	4300	4100	9 5/8" 7"	32, 36# 23#	423 4206	240 SX 925 SX	Circ.* Circ.*	12 1/4" 8 3/4"	4127-4187 (G)	6-57	6-73 (TA)
29P	442 Chevron State 29 #3 330' FEL & 330' FSL	3643 GL	4220		13 3/8" 9 5/8" 7" 5" Lnr.	54.5# 36# 24# -	213 2743 3950 4020/4172	150 SX 1400 SX 300 SX 22 SX	Circ.* Circ.* 2136* 4020*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4020-4026 (SA) 4150-4220 (SA)	10-30	
29O	341 Chevron State 29 #4 2318' FEL & 330' FSL	3643 GL	4220		13 3/8" 9 5/8" 7" 5"	54.5# 36# 24# -	210 2750 3934 4162	150 SX 700 SX 300 SX 350 SX	Circ.* 718* 2120* Circ.	17"** 12 1/4"** 8 3/4"** 6 1/4"	4010-4035 (SA) 4160-4220 (SA)	10-30	
31A	411 Cities Service Fowler #1 330' FNL & 330' FEL	3645 GL	4175		12 1/2" 9" 6 5/8"	50# 34# 24#	242 2744 3938	50 600 200	197* 1868* 3248*	16"** 11 3/4"** 8 1/4"**	3938-4035 (G) 4035-4175 (SA)	7-30	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
31B	311 Cities Service Fowler #2 440' FNL & 2310' FEL	3649 GL	4201	4192	12 1/2" 9" 6 5/8" 5" Lnr.	50# 36# 24# 18#	230 2735 3951 3882/4194	200 SX 500 SX 250 SX 35 SX	Circ.* 1275* 2227* 3882*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	3991-4042 (G)	9-30	3-75 (TA)
31G	321 Cities Service Fowler #3 2200' FNL & 2310' FEL	3644 GL	4212		12 1/2" 9" 7"	50# 36# 24#	227 2750 3957	150 SX 500 SX 200 SX	Circ.* 1289* 2748*	16"** 11 3/4"** 8 3/4"**	3957-4099 (G) 4099-4212 (SA)	11-30	
31H	421 Cities Service Fowler #4 1370' FNL & 330' FEL	3651 GL	4190	4123	12 1/2" 9 5/8" 7" 5 1/2"	50# 40# 24# 15.5#	242 2760 3955 4190	100 SX 300 SX 150 SX 635 SX	64* 1659* 3048* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4103-4123 (SA)	4-34	
31A	412 Cities Service Fowler #9 660' FNL & 660' FEL	3651 GL	6260	4170	13 3/8" 8 5/8" 5 1/2"	48# 24, 32# 14, 15.5, 20#	343 3799 6255	350 SX 500 SX 400 SX	Circ. 2372 3080	17 1/2" 11" 7 7/8"	4047-4057 (G) 4066-4151 (SA)	7-69	
19F	221 Cities Service Hardin #1 2310' FNL & 2310' FWL	3661 DF	4209		12 1/2" 9" 7"	50# 40# 24#	241 2750 3991	200 SX 500 SX 200 SX	Circ.* 1289* 2782*	16"** 11 3/4"** 8 3/4"**	3991-4054 (G) 4054-4209 (SA)	9-30	
19E	121 Cities Service Hardin #2 2310' FNL & 333' FWL	3666 DF	4250		12 1/2" 9" 7" 4 1/2" Lnr.	50# 40# 24# -	245 2752 4020 3884/4250	200 SX 500 SX 200 SX 45 SX	Circ.* 1291* 2811* 3954*	16"** 11 3/4"** 8 3/4"** 6 3/4"**	4230-4248 (SA)	9-30	
19C	211 Cities Service Hardin #3 1309' FNL & 2310' FWL	3663 DF	4270	4263	12 1/2" 9" 7" 5" Lnr.	50# 38# 24# -	241 2750 3983 3925/4266	200 SX 500 SX 200 SX 50 SX	Circ.* 915* 2774* 3925*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4261 (SA)	11-30	
19D	112 Cities Service Hardin #4 330' FNL & 330' FWL	3672 DF	4204	4008	12 1/2" 9" 7"	50# 34# 24#	230 2770 3945	150 SX 500 SX 250 SX	Circ.* 1309* 2433*	16"** 11 3/4"** 8 3/4"**	3945-4008 (G)	9-32	4-52 (TA)
19D	111 Cities Service Hardin #5 990' FNL & 990' FWL	3671 DF	4255	4253	8 5/8" 5 1/2"	24# 14#	251 4254	200 SX 1500 SX	Circ. 1108	11" 7 7/8"	4242-4248 (SA)	5-52	
28O	341 Continental Grimes #1 2310' FEL & 330' FSL	3642 GL	4278		13 3/8" 9 5/8" 7" 5"	48# 36# 24# -	222 1637 3975 4276	180 SX 300 SX 400 SX 100 SX	Circ.* 766* 1556* 3091*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4128-4258 (SA)	7-34	
28P	431 Continental Grimes #2 660' FEL & 330' FSL	3642 GL	4220		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	243 1634 4015	150 SX 300 SX 300 SX	Circ.* 185* Circ.*	13 1/2"** 9 5/8"** 6 1/4"	4015-4040 (G) 4040-4220 (SA)	1-35	
28J	331 Continental Grimes #3 2310' FEL & 1650' FSL	3649 GL	4225		10 3/4" 7 5/8" 5 1/2" 4"	45# 26.4# 17# -	245 1635 4015 4280	150 SX 300 SX 300 SX 100 SX	Circ.* 186* Circ.* 2428*	13 1/2"** 9 5/8"** 6 1/4"** 5"**	4015-4044 (G) 4048-4225 (SA) 4256-68	5-35	
28I	431 Continental Grimes #4 990' FEL & 1650' FSL	3648 GL	4225		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	225 1640 3993	150 SX 400 SX 400 SX	Circ.* Circ.* 1894*	13 1/2"** 9 5/8"** 7 7/8"**	3993-4084 (G) 4084-4225 (SA)	9-35	
29J	331 Continental State A29 #1 1650' FEL & 1650' FSL	3655 DF	4270	4248	12 1/2" 9 5/8" 7" 4 1/2"	50# 40# 24# 10.5#	234 2742 3939 4270	170 500 SX 300 SX 750 SX	Circ.* 907* 2135* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4044-4063 (SA) 4205-4242 (SA)	9-30	1-76 (TA)
29O	241 Continental State A29 #2 330' FSL & 2310' FWL	3649 GL	4184		12 1/2" 9 5/8" 7"	50# 40# 24#	217 2730 3929	180 SX 500 SX 300 SX	Circ.* 895* 2115*	16"** 11 3/4"** 8 3/4"**	4115-4184 (SA)	10-30	
29K	231 Continental State A29 #3 1650' FEL & 2310' FSL	3650 GL	4220		15 1/2" 9 5/8" 7"	70# 40# 24#	252 2729 3953	1000 SX 600 SX 300 SX	Circ.* 987* 2139*	18"** 12 1/4"** 8 3/4"**	4176-4190 (SA)	10-30	
33M	141 Continental State A33 #1 660' FSL & 660' FWL	3635 GL	4258		12 1/2" 9 5/8" 7" 5" Lnr.	50# 40# 24# 33#	209 2738 3976 3928/4258	165 SX 500 SX 275 SX 45 SX	Circ.* 903* 2313* 3828*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4236-4249 (SA)	9-30	
33L	131 Continental State A33 #2 2310' FNL & 330' FWL	3635	4243		15 1/2" 9 5/8" 7" 5"	70# 40# 24# 18#	208 2740 3953 3922	373 SX 500 SX 300 SX 100 SX	Circ.* 1289* 2139* 3057*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4193-4238 (SA)	10-30	

N. Hobbs (G/SA) Unit Well No.

Sec., Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
13K	231 Continental State A33 #3	3645 GL	4255		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 24# -	183 2732 3946 3940/4235	250 SX 600 SX 310 SX 50 SX	Circ.* 990* 2078* 3940*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4198-4259 (SA)		
13J	331 Continental State A33 #4 1920' FSL & 1780' FEL	3644 GL	4254		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 24# -	216 2751 3932 3871/4232	425 SX 600 SX 325 SX 50 SX	Circ.* 1009* 1972* 3871*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4181-4209 (SA)	11-31	
13O	341 Continental State A33 #5 1980' FEL & 660' FSL	3633 DF	4247		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 24# -	213 2755 3981 3973/4237	350 SX 600 SX 325 SX 100 SX	Circ.* 1013* 2016* 3970*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4237-4247 (SA)	12-31	
13P	241 Continental State A33 #6 560' FSL & 1980' FWL	3637 DF	4252		15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 40# 24# -	223 2754 3971 3911/4236	350 SX 600 SX 387 SX 150 SX	Circ.* 1012* 1631* 3911*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4236-4252	2-32	
13G	321 Continental State A33 #7 1950' FNL & 1950' FEL	3648 GL	4244		15 1/2" 9 5/8" 7" 5 1/2"	70 40 26 15.5	257 2756 3970 4244	235 SX 400 SX 350 SX+80 300 SX	Circ.* 1615* 1853* 1407*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4225-4234 (SA)	1-33	
13H	241 Continental State B13 #1 660' FSL & 1980' FWL	3680 DF	4035		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	236 1615 4002	150 SX 300 SX 460 SX	Circ.* 166* Circ.*	13 1/2"** 9 5/8"** 6 1/4"**	4002-4024 (G) 4026-4035 (SA)	6-35	2-74 (TA)
13N	141 Continental State B13 #2 660' FSL & 660' FWL	3684 DF	4235		13" 9 5/8" 7" 5" Lnr.	50# 36# 24# -	270 1630 4005 3957/4235	200 SX 400 SX 400 SX 75 SX	Circ.* 469* 1586* 3957*	16"** 12 1/4"** 8 3/4"** 6 1/4"	4002-4060 (G)	9-35	1-51
13F	221 Continental State B13 #4 1980' FNL & 1980' FWL	3668 DF	4160	4156	8 5/8" 5 1/2"	24# 14#	307 4159	300 SX 1700 SX	Circ. 1750	11"** 7 7/8"**	4049-4152 (G)	4-57	
13E	121 Continental State B13 #5 1980' FNL & 660' FWL	3692 DF	4235	4198	8 5/8" 5 1/2"	- -	304 4199	282 SX 1800 SX	Circ.* Circ.*	11"** 7 7/8"**	4092-4235 (G)	6-57	
13C	211 Continental State B13 #6 660' FWL & 1980' FWL	3691 DF	4257		8 5/8" 5 1/2"	32# 14#	318 4256	300 SX 1800 SX	Circ. 1825 (TS)	11"** 7 7/8"**	4172-4249 (G)		
13L	131 Continental State B13 #7 330' FWL & 1980' FSL	3691 DF	4154	4118	8 5/8" 5 1/2"	24# 14#	343 4153	375 SX 950 SX	Circ.* Circ.*	11" 7 7/8"	4002-4116 (G)	4-61	
25C	211 Continental State B 25 #1 330' FNL & 2310' FWL	3673 DF	4225	4219	15 1/2" 9 5/8" 7"	70# 40# 24#	214 2767 4026	225 SX 600 SX 325 SX	Circ.* 1025* 2061*	18"** 12 1/4"** 8 3/4"**	4026-4108 (G) 4108-4225 (SA)	3-33	
25D	111 Continental State B25 #2 660' FNL & 660' FWL	3675 DF	4200		8 5/8" 5 1/2"	28# 14#	302 4199	250 SX 1500 SX	Circ.* Circ.*	11"** 7 7/8"**	4087-4180 (G)	4-57	
31K	231 Mobil Berry #1 1250' FWL & 2196' FSL	3644 GL	4190		13 3/8" 9 5/8" 7" 5" Lnr.	- - - -	245 2800 3955 3843/4190	- - 300 SX 110 SX	- - 2141* 3847*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4094-4110 (G)		
31N	241 Mobil Berry #2 990' FSL & 2310' FWL	3646 GL	4155		9 5/8" 7" 5"	36# 24# 15#	420 3225 4141	800 SX 800 SX 90 SX	Circ.* Circ.* 3074*	12 1/4" 8 3/4" 6 1/4"	4016-4130 (G) 4141-4155 (SA)	5-48	
31L	131 Mobil Berry #3 900' FWL & 2310' FSL	3651 GL	4207		9 5/8" 7" 5"	36# 23# 15#	430 3240 4165	350 SX 500 SX 90 SX	Circ.* Circ.* 3098*	12 1/4" 8 3/4" 6 1/4"	4039-4202 (G) 4202-4207 (SA)	11-49	
31H	141 Mobil Berry #4 990' FSL & 990 FWL	3650 GL	4317	4200	10 3/4" 7" 5"	32.75# 23# 15#	435 3303 4317	350 SX 500 SX 100 SX	Circ.* 279* 3132*	13 3/4" 8 3/4" 6 1/4"	4097-4182 (G)	2-50	
30J	331 Exxon Bowers A Fed. #2 2335' FSL & 2310' FEL	3654 DF	4238		15 1/2" 12 1/2" 9 5/8" 7" 5 1/2"	70# 50# 36# 26# -	100 242 2750 3960 4238	- 225 SX 650 SX 300 SX -	- Circ.* 851* 2166* -	18"** 16"** 11 3/4"** 8 3/4"** 6 1/4"**	4068-4092 (SA)	8-30	

*Calculated
**Estimate

PROPOSED NORTH HOBBS
(GRAYBURG - SAN ANDRES)
UNIT WELLS

N. Hobbs (G/SA) Unit Well No.

Sec., Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date	
29M	141 Exxon Bowers A Fed. #3 330' FSL & 330' FWL	3644 GL	4202	4076	12 1/2" 9" 7" 5 1/2"	50# 36# 23# -	218 2350 3960 3941	200 SX 650 SX 300 SX 250 SX	Circ.* 853* 2146* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4052-4072 (SA)	8-30		
30F	441 Exxon Bowers A Fed. #4 330' FSL & 330' FEL	3646 GL	4206	4060	12 1/2" 9 5/8" 7"	50# 36# 26#	213 2350 3970	200 SX 650 SX 300 SX	Circ.* 365* 2156*	16"** 11 3/4"** 8 3/4"**	4035-4060 (SA)	8-30		
30I	431 Exxon Bowers A Fed. #5 2310' FSL & 990' FEL	3652 DF	4218	4062	12 1/2" 9 5/8" 7"	50# 36# 26#	214 2350 3975	200 SX 650 SX 300 SX	Circ.* 365* 2161*	16"** 11 3/4"** 8 3/4"**	3935-4026 (G) 4026-4062 (SA)	9-30		
29E	121 Exxon Bowers A Fed. #7 2970' FSL & 330' FWL	3665 DF	4201	4193	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 23# 11.6#	231 2239 3104 2900/4201	250 SX 650 SX 100 SX 100 SX	Circ.* 354* 2499* 2900	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4183-4189 (SA)	3-47	12-61 (Rec.)	
30J	342 Exxon Bowers A Fed. #8 440' FSL & 330' FWL	3654 DF	4217	4104	12 1/2" 9 5/8" 7"	50# 36# 26#	220 2350 3974	210 SX 650 SX 300 SX	Circ.* 365* 2160*	16"** 11 3/4"** 8 3/4"**	4069-4104 (SA)	10-30	9-73 (TA)	
29L	131 Exxon Bowers A Fed. #10 2310' FSL & 990' FWL	3649 GL	4220		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 26# -	225 2750 3976 3870/4220	250 SX 650 SX 300 SX 50 SX	Circ.* 365* 2162* 3870*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4180-4192 (SA)	10-30		
30O	361 Exxon Bowers A Fed. #36 990' FSL & 1650' FEL	3655 DF	4352	4282	9 5/8" 5 1/2" 3 1/2" Lnr.	36# 15.5, 17# -	1463 3956 3715/4350	500 SX 625 SX 125 SX	12* 677* 2330*	12 1/4" 7 7/8" 4 3/4"**	4056-4077 (SA)	3-74		
29O	111 Exxon Bowers A Fed. Com. #35 990' FNL & 330' FWL	3662 DF	4331	4250	8 5/8" 5 1/2"	24# 14#	310 3905	150 SX 300 SX	Circ. 2331*	11" 7 7/8"	4168-4250 (SA)	12-71		
29A	411 Exxon Grimes #1 990' FNL & 990' FEL	3647 GL	4250	4145	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 26# -	205 2350 4045 3941/4223	250 SX 650 SX 300 SX 30 SX	Circ. 365* 2231* 3961*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4102-4127 (G) 4154-4214 (SA)	10-30		
25I	431 Exxon New Mexico State #1 330' FSL & 2310' FSL	3660 GL	4215	4095	12 1/2" 9 5/8" 7"	50# 36# 26#	215 2750 3977	260 SX 650 SX 300 SX	Circ.* 365* 2163*	16"** 11 3/4"** 8 3/4"**	3977-4095 (G)	10-30		
25O	341 Exxon New Mexico State #5 660' FSL & 1650' FEL	3663 DF	4220	4220	8 5/8" 5 1/2"	29, 32# 15.5#	1639 4220	900 SX 1100 SX	Circ. 1620	11" 7 7/8"	4095-4210 (G)	12-53		
25K	231 Exxon New Mexico State #6 2310' FSL & 2310' FWL	3670 DF	4253	4245	8 5/8" 5 1/2"	24# 14#	1860 4252	1000 SX 1250 SX	Circ. Circ.	11" 6 3/4"	4090-4156 (G)	3-55		
25P	441 Exxon New Mexico State #7 330' FEL & 990' FSL	3667 DF	4188	4139	8 5/8" 5 1/2"	24# 14#	354 4187	225 SX 1450 SX	Circ.* Circ.*	11" 6 3/4"	4024-4137 (G)	4-55		
25J	331 Exxon New Mexico State #8 1980' FWL & 1650' FSL	3668 DF	4110	4108	8 5/8" 5 1/2"	24# 14#	365 4110	200 SX 1500 SX	Circ.* Circ.*	11"** 7 7/8"**	4022-4098 (G)	2-58		
25N	241 Exxon New Mexico State #9 2310' FSL & 990' FSL	3672 GL	4240	4239	8 5/8" 5 1/2"	24# 17#	350 4240	225 SX 1700 SX	Circ.* Circ.*	11" 7 7/8"	4160-4238 (G)	7-58		
29I	431 Getty Grimes #3 2310' FSL & 330' FEL	3653 GL	4234		15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# 15.5#	228 2320 3900 3203/4215	260 SX 600 SX 300 SX 120 SX	Circ.* 938* 2086* 3209*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4155-4225 (SA)	10-30	10-68 (Rec.)	
29H	421 Getty Grimes #4 2310' FNL & 330' FEL	3657 GL	4236		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# -	220 2320 3880 3796/4236	200 SX 600 SX 300 SX 50 SX	Circ.* 518* 2066* 3796*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4160-4232 (SA)	12-30	8-49 (Rec.)	
19C	321 Getty Hardin #1 2310' FNL & 2310' FEL	3662 GL	4260	4244	13 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# -	219 2760 3952 3809/4244	200 SX 600 SX 300 SX 100 SX	Circ.* 1018* 2138* 3809*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4190-4260 (SA)	9-30	9-71 (Rec.)	Casing leak in 7" 5-58
19M	621 Getty Hardin #2 2310' FNL & 1303' FEL	3665 GL	4240	4135	12 1/2" 9 5/8" 7"	50# 36# 24#	217 2743 3948	200 SX 600 SX 300 SX	Circ.* 541* 2134*	16"** 11 3/4"** 8 3/4"**	3948-4135 (G)	11-30		Casing leak in 7" 8-70
	19B 311 Getty Hardin #3 1309' FNL & 2310' FEL	3661 GL	4222	4097	12 1/2" 9 5/8" 7"	50# 36# 24#	217 2150 3952	200 SX 600 SX 300 SX	Circ.* 548* 2138*	16"** 11 3/4"** 8 3/4"**	3952-4086 (G) 4086-4097 (SA)	11-30		

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
19A	411 Getty Hardin #4 1300' FNL & 1300' FEL	3662 DF	4342	4335	12 1/2" 7" 4 1/2" Lnr.	50# 36# -	226 3966 3867/4342	200 SX 700 SX 100 SX	Circ.* Circ.* 3867*	18 1/4" 8 3/4"** 6 1/4"**	3971-4108 (G) 4128-4306 (SA)	2-33	
30G	321 Getty McKinley #3 2310' FNL & 2310' FEL	3654 GL	4200		12 1/1" 9 5/8" 7" 5"	50# 36# 24# -	245 2755 ,854 4200	200 SX 600 SX 250 SX 405 SX	Circ.* 553* 2341* Circ.	16"** 11 3/4"** 8 3/4"** 7"**	4030-4060 (G) 4130-4170 (SA)	7-30	7-54 (Rec.)
30H	421 Getty McKinley #2 2310' FNL & 990' FEL	3648 GL	4202		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15#	251 2756 3858 4202	200 SX 600 SX 250 SX 450 SX	Circ.* 555* Circ. Circ.	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4114-4150 (SA)	7-30	5-57 (Rec.)
30B	311 Getty McKinley #4 330' FNL & 2310' FEL	3656 DF	4219		12 1/2" 9 5/8" 7"	50# 36# 24#	245 2753 3998	200 SX 600 SX 250 SX	Circ.* 551* 2486*	16"** 11 3/4"** 8 3/4"**	3998-4040 (G) 4040-4219 (SA)	8-30	
30A	411 Getty McKinley #5 330' FNL & 330' FEL	3659 DF	4223	4124	12 1/2" 9 5/8" 6 5/8"	50# 40# 24#	247 2756 4042	250 SX 600 SX 250 SX	Circ.* 554* 2318*	18"** 11 3/4"** 8 1/4"**	4042-4102 (G) 4102-4124 (SA)	12-32	
30A	412 Getty McKinley #11 760' FNL & 550' FEL	3659 DF	7108	7065	13 3/8" 9 5/8" 7"	- 40# 23, 26#	329 3848 7106	400 SX 1200 SX 865 SX	Circ.* 365* 10754	17 1/2" 12 1/4" 8 3/4"	4009-4083 (G)	1-70	5-72 (Rec.)
14M	421 Getty State B #1 2310' FNL & 330' FEL	3681 DF	4368	4180	10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	221 1734 4019	225 SX 500 SX 125 SX	Circ.* Circ.* 1655*	13 1/2"** 9 5/8"** 6 1/4"**	4019-4180 (G)	8-36	
14G	321 Getty State B #2 2310' FNL & 1650' FEL	3698 DF	4275	4270	9 5/8" 5 1/2"	25.4# 15.5#	334 4274	325 SX 600 SX	Circ. 2595	11" 7 7/8"	4208-4232 (G)	12-59	
31F	221 Getty Fowler #2 2200' FNL & 2310' FWL	3646 GL	4215		12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	208 2796 3964 4215	300 SX 400 SX 450 SX 325 SX	Circ.* 1328* 1243* 363*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4104-4120 (G) 4128-4140 (SA)	11-30	
26A	411 Getty Hobbs E #1 330' FNL & 330' FEL	3679 DF	4276	—	8 5/8" 5 1/2"	24# 14#	393 4256	200 SX 400 SX	Circ. 2157*	11" 7 7/8"	4163-4199 (G) 4214-4276 (SA)	10-56	
20D	111 Getty McKinley #3 330' FNL & 330' FWL	3662 DF	4365		12 1/2" 9" 7" 5" 3 1/2" Lnr.	50# 34# 24# - -	213 2796 4040 4238 3977/4366	200 SX 500 SX 200 SX 395 SX 50 SX	Circ.* 1335* 2831* Circ. 3972*	16"** 11 3/4"** 8 3/4"** 6 1/4"** 4 3/4"**	4266-4270 (SA)	10-32	
17M	141 Getty State A #1 660' FSL & 330' FWL	3664 GR	4260	4195	12 1/2" 7"	50# 24#	212 4056	175 SX 400 SX	Circ.* 1631*	16"** 8 3/4"**	4056-4198 (G)	3-33	
34F	221 Getty Turner #1 1980' FNL & 1680' FWL	3637 GL	4222		12 1/2" 9 5/8" 7" 5 1/2"	50# 34# 24# 15.5#	220 2780 3974 4221	200 SX 700 SX 300 SX 340 SX	Circ.* 1000 1823* Circ.	16"** 11 3/4"** 8 1/2"** 6 1/4"**	4102-4157 (SA)	9-32	
34C	211 Getty Turner #2 660' FNL & 1650' FWL	3642 GL	4213		12 1/2" 7" 5 1/2"	50# 24# 15.5#	240 4012 4211	175 SX 400 SX 340 SX	Circ.* 1593* Circ.	16"** 8 3/4"** 6 1/4"**	4168-4202 (SA)	7-34	
31C	211 Getty Fowler #1 440' FNL & 2310' FWL	3651 DF	4215	4200	12 1/2" 9 5/8" 7" 5"	50# 36# 24# -	266 2750 3973 4210	185 SX 600 SX 450 SX 100 SX	Circ.* 1282* 1252* 3025*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4196 (SA)		
24H	422 Gulf Graham State A #1 2310' FNL & 330' FEL	3671 DF	4225		13 3/8" 9 5/8" 6 5/8"	54# 36# 24#	217 2806 4085	200 SX 600 SX 375 SX	Circ.* 1769* 1499*	16" 13 3/4" 8 1/4"	4085-4225 (SA)	9-30	
24A	412 Gulf Graham State A #2 330' FNL & 330' FEL	3673 DF	4217	4090	13 3/8" 9 5/8" 7"	54.5# 36# 24#	229 2790 3975	200 SX 600 SX 250 SX	Circ.* 1048* 2463*	17"** 12 1/4"** 8 3/4"**	3975-4062 (G) 4062-4090 (SA)	8-32	7-61 (TA)
24G	321 Gulf Graham State A #3 2310' FNL & 2310' FEL	3671 DF	4219		13 3/8" 9 5/8" 7"	54.5# 36# 24#	292 2746 3930	415 SX 350 SX 200 SX	Circ.* 1730* 2721*	17"** 12 1/4"** 8 3/4"**	3930-4056 (G) 4056-4219 (SA)		
24B	311 Gulf Graham State A #4 660' FNL & 1980' FEL	3674 DF	4290		13" 9 5/8" 6 1/4"	40# 36# 24#	281 1588 3976	225 SX 400 SX 320 SX	Circ.* 427* 2071*	16"** 12 1/4"** 8"**	4147-5290 (SA)	8-35	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date	
24H	421 Gulf Graham State A #5 1980' FNL & 760' FEL	3558 GL	6107	5120	13 3/8" 8 5/8" 5 1/2"	48# 24, 32# 15.5#	408 3903 6106	400 SX 500 SX 385 SX	Circ. 2115* 4210	17 1/2" 11" 7 7/8"	4224-4262 (G)	4-69		
24A	411 Gulf Graham State A #6 990' FNL & 990' FEL	3676 DF	4283	4263	8 5/8" 5 1/2"	24# 15.5, 17#	322 4283	210 SX 265 SX	Circ. 2440	12 1/4" 7 7/8"	4258-4260 (SA)	7-70		
32F	221 Gulf Grimes A #2 1650' FNL & 2310' FWL	3644 GL	4155		12 1/2" 9 5/8" 7"	50# 36# 24#	201 2752 3943	- - -	- - -	16"** 11 3/4"** 8 3/4"**	3943-3972 (G) 3972-4155 (SA)	8-30		
32C	211 Gulf Grimes A #7 990' FNL & 2310' FWL	3638 GL	4153		13 3/8" 9 5/8" 7"	54.5# 36# 24#	216 2739 3360	230 SX 600 SX 300 SX	Circ.* 997* 2046*	17"** 12 1/4"** 8 3/4"**	3966-4153 (SA)	4-31		
32E	112 Gulf Grimes A #8 1370' FNL & 330' FWL	3642 DF	4199		15 1/2" 9 5/8" 7"	70# 36# 24#	245 2751 3954	200 350 200	Circ.* 1761* 2745*	18"** 12 1/4"** 8 3/4"**	3954-4017 (G) 4017-4199 (SA)	6-34		Casing leaks in 4-54
32G	111 Gulf Grimes A #10 660' FNL & 660' FWL	3646 GL	4250	4239	9 5/8" 7" 4 1/2"	36# 23# 11.6#	306 3120 4243	175 SX 600 SX 110 SX	Circ. 1520(TS) 3130(TS)	12 1/4" 8 3/4" 6 3/4"	4188-4213 (SA)	12-47	6-71 (Rec.)	
32I	121 Gulf Grimes A #19 1730' FNL & 330' FWL	3647 DF	6051	5685	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	342 3811 6050	300 SX 500 SX 455 SX	Circ.* 2023* 3663*	17"** 11"** 7 7/8"**	4158-4230 (SA)	5-69	2-75 (Rec.)	
32K	231 Gulf Grimes A No. 2 #3 2310' FSL & 2310' FWL	3632 GL	4230	4230	15 1/2" 9 5/8" 7" 4 1/2" Lar.	70# 36# 24# 9.5#	207 2738 3946 3701/4194	200 SX 600 SX 300 SX 90 SX	Circ.* 996* 2132* 3701*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4109-4230 (SA)	8-30		
32M	141 Gulf Grimes A No. 2 #5 330' FSL & 330' FWL	3637 DF	4192		13 3/8" 9 5/8" 7" 5 1/2" Lar.	- 36# 24# -	257 2797 3908 3840/4192	- - - -	- - - -	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4158-4175 (SA)	9-30		
32L	131 Gulf Grimes A No. 2 #9 2310' FSL & 330' FWL	3639 GL	4250	4250	13 3/8" 9 5/8" 7" 4 1/2" Lar.	54# 36# 24# 9.5#	212 2740 3966 3813/4250	200 SX 350 SX 150 SX 65 SX	Circ.* 1726* 3059* 3813*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4219-4237 (SA)	9-34	11-72 (Rec.)	
32N	241 Gulf Grimes A No. 2 #15 990' FSL & 2310' FWL	3638 GL	4110	4110	13 3/8" 7"	48# 23#	328 4094	325 SX 1300 SX	Circ.* Circ.*	17"** 8 3/4"**	4094-4105 (SA)	5-49		
32K	232 Gulf Grimes A. No. 2 #20 1980' FSL & 330' FWL	3628 GL	6020	4201	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	383 3829 6019	325 SX 500 SX 3685(TS)	Circ.* 2041* 7 7/8"**	17 1/2"** 11"**	4100-4210 (SA)	4-69	3-76 (Rec.)	
33I	431 Gulf Grimes B #1 1920' FSL & 860' FEL	3640 DF	4190	4131	13 3/8" 9 5/8" 7" 5 1/2" Lar.	54# 36# 24# 15.5#	231 2741 3940 3908/4190	200 SX 600 SX 225 SX 40 SX	Circ.* 999* 2579* 3908*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4086-4109 (SA)	11-31	8-71 (Rec.)	
33H	421 Gulf Grimes B #2 1980' FNL & 860' FEL	3642 DF	4166		13 3/8" 9 5/8" 6 5/8" 5 1/2"	54# 36# 24# 14#	221 2761 3959 3911/4166	175 SX 500 SX 250 SX 40 SX	Circ.* 1310* 2684* 3911*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4100-4163 (SA)	10-32		
33G	311 Gulf Grimes B #3 330' FNL & 2310' FEL	3652 GL	4221		13 3/8" 9 5/8" 7" 5 1/2"	54.5# 36# 24# -	292 2746 3930 4086	200 SX 350 SX 250 SX 75 SX	Circ.* 1730* 2418* 2667*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4086-4221 (SA)	8-34		
33A	411 Gulf Grimes B #4 660' FNL & 660' FEL	3642 GL	4175		13 3/8" 9 5/8" 7" 5 1/2" Lar.	54.5# 36# 24# 14# FJ	285 2739 3970 3919/4175	200 SX 350 SX 150 SX 40 SX	Circ.* 1723* 3063* 3919*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4077-4175 (SA)	11-34	5-56 (Rec.)	
21H	141 Gulf Grimes C #1 330' FSL & 330' FWL	3650 GL	4219	4182	13 3/8" 8 1/4"	54.5# 32#	270 4067	200 SX 650 SX	Circ.* 2097*	17"** 11"**	4067-4164 (G) 4164-4182 (SA)	1-35		
21N	241 Gulf Grimes C #2 1330' FSL & 1650' FWL	3646 GL	4225	4210	13" 7" 5 1/2"	48# 24# -	281 4109 4221	225 SX 1300 SX 250 SX	Circ.* Circ.* Circ.*	16"** 8 3/4"** 6 1/4"**	4176-4203 (SA)	10-35		

W. Hobbs (G/SA) Unit Well No.

Sec., Unit	Operator/Lease Name/Well No., Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	Top	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
21L	131 Gulf Grimes C #3 1650' FSL & 330' FWL	3657 DF	4235		13" 7"	48# 24#	295 4106	250 SX 1300 SX	Circ.* Circ.*	16"** 8 3/4"**	4106-4205 (G) 4205-4235 (SA)	12-35	
18J	347 Gulf Hardin #1 330' FSL & 2310' FEL	3668 DF	4221	4052	13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54.5# 36# 24# 15.5#	228 2816 4024 3975/4221	180 SX 500 SX 250 SX 80 SX	Circ.* 1765* 2512* 3975*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4005-4052 (G)	11-32	3-67 (TA)
18P	441 Gulf Hardin #2 330' FSL & 990' FEL	3665 DF	4253		13 3/8" 8 5/8"	54.5# 32#	218 4022	200 SX 500 SX	Circ.* 2234*	17"** 11"**	4022-4110 (G) 4110-4253 (SA)	2-33	
18I	431 Gulf Hardin #3 1980' FSL & 660' FEL	3671 DF	4200		8 5/8" 5 1/2"	24# 14#	418 4199	325 SX 1600 SX	Circ.* Circ.*	11" 7 7/8"	4094-4146 (G)	9-57	
18G	321 Gulf Hardin #4 1980' FNL & 1980' FEL	3670 DF	4170	4165	8 5/8" 4 1/2"	24# 9.5#	433 4168	350 SX 1400 SX	Circ.* Circ.*	12 3/4" 7 7/8"	4064-4112 (G)	3-59	
18J	331 Gulf Hardin #5 1980' FSL & 1980' FEL	3675 DF	4170	4165	8 5/8" 4 1/2"	24# 9.5#	320 4170	310 SX 1027 SX	Circ. 1710	12 1/4" 7 7/8"	4052-4107 (G)	5-59	
18M	421 Gulf Hardin #6 1880' FNL & 660' FEL	3673 DF	4177	4172	8 5/8" 4 1/2"	24# 9.5#	305 4177	300 SX 350 SX	Circ. 2799	12 1/4" 6 3/4"	4139-4168 (G)	9-59	
18B	311 Gulf Hardin #7 990' FNL & 2310' FEL	3660 DF	4200	4194	8 5/8" 4 1/2"	24# 9.5#	322 4200	200 SX 373 SX	Circ. 3318	12 1/4" 7 7/8"	4165-4186 (G)	9-60	
18A	411 Gulf Hardin #8 990' FNL & 990' FEL	3681 DF	4270	4257	8 5/8" 4 1/2"	24# 9.5#	315 4270	175 SX 905 SX	Circ.* 2262*	12 1/2" 6 3/4"	4224-4246 (G)	5-62	
18O	341 Gulf Hardin #9 580' FSL & 2310' FEL	3672 DF	4340	4207	8 5/8" 5 1/2"	24# 14#	295 4339	275 SX 285 SX	Circ. 2525	11" 7 7/8"	3999-4040 (G)	8-71	
36C	211 Gulf Holt (MCT-D) #1 330' FNL & 2310' FWL	3670 GL	4275		8 5/8" 5 1/2"	24# 14#	434 4275	325 SX 400 SX	Circ.* 2221*	11" 7 7/8"	4242-4272 (G)	6-57	1-75 (TA)
24N	241 Gulf Lea Fo State #1 660' FSL & 2310' FWL	3697 DF	4300	4230	8 5/8" 5 1/2"	24# 14#	425 4199	300 SX 2000 SX	Circ.* Circ.*	11" 7 7/8"	4148-4220 (G)	5-58	
30K	231 Marathon State 30 #1 2310' FSL & 2310' FWL	3662 DF	4209	4198	20" 9 5/8" 7" 5"	90# 40# 26# 15#	215 2350 3930 4200	75 SX 400 SX 550 SX 60 SX	67* 1589* 604* 3190	22"** 12 1/4"** 8 3/4"** 6 1/4"**	4134-4160 (G)	7-30	1-59 (Rec.)
30N	241 Marathon State 30 #2 440' FSL & 2310' FWL	3669 DF	4291	4190	12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	294 2750 3900 4167	275 SX 550 SX 275 SX 60 SX	Circ. 1154* 2237* 3456*	16"** 12 1/4"** 8 3/4"** 6 1/4"**	4167-4190 (G)	9-30	
30L	131 Marathon State 30 #3 2310' FSL & 330' FWL	3665 DF	4213	4098	12 1/2" 9 5/8" 7" 5" Lnr.	50# 40# 24# 15#	243 2751 3900 4207	225 SX 550 SX 350 SX 50 SX	Circ.* 733* 1783* 3760	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4059-4077 (G)	10-30	9-72 (Rec.)
30M	141 Marathon State 30 #9 990' FSL & 990' FWL	3663 DF	4273	4227	10 3/4" 5 1/2"	32.75# 15.5#	368 4273	200 SX 3000 SX	Circ. Circ.	13 3/4" 8 3/4"	4084-4114 (G)	10-55	
32P	441 Marathon State 32 #2 660' FSL & 660' FEL	3634 GL	4244		12 1/2" 9 5/8" 7" 5"	50# 40# 24# 15#	168 2750 3931 4234	125 SX 400 SX 250 SX 60 SX	Circ.* 1282* 2659* 3500	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4234-4244 (SA)	8-30	
32E	431 Marathon State 32 #3 330' FEL & 2310' FSL	3643 GL	4245	4233	12 1/2" 9 5/8" 7" 5"	50# 40# 24# 15#	205 2350 3958 4244	225 SX 435 SX 350 SX 65 SX	Circ.* 1007* 1851* 3378*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4190-4220 (G)	8-30	
32J	331 Marathon State 32 #4 2310' FSL & 2310' FEL	3642 GL	4247	4243	15 1/2" 9 5/8" 7" 5"	70# 40# 24# -	300 2350 3940 4247	250 SX 300 SX 350 SX 75 SX	Circ.* 913* 1823* 3358*	18"** 11 3/4"** 8 3/4"** 6 1/4"**	4184-4226 (SA)	9-30	6-75 (TA)

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
32O	34I Marathon State 32 #5 330' FSL & 2310' FEL	3636 GL	4236	4234	16" 9 5/8" 7" 5"	65.3# 40# 24# 15#	221 2750 3925 4235	250 SX 556 SX 225 SX 120 SX	Circ.* 1136* 2564* 2813*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4200-4230 (SA)	10-30	
34H	42I Moran Hobbs #1 2485' FNL & 1164' FEL	3630 GL	4303	4264	8 5/8" 4 1/2"	24# 11.6#	372 4303	250 SX 500 SX	Circ. 2610(TS)	12 1/4" 7 7/8"	4236-4250 (G)	1-61	
17E	12I Moran State T LT #1 2310' FNL & 330' FWL	3670 DF	4236	4234	8 5/8" 4 1/2"	24# 11.6#	256 4236	200 SX 544 SX	Circ.* 2065*	12 1/4" 7 7/8"	4182-4216 (G)	12-61	
23E	12I C&C Shipp A #1 1650' FNL & 990' FWL	3691 DF	4308	4248	8 5/8" 5 1/2"	24# 14#	321 4248	175 SX 425 SX	Circ. 2210	11 1/4" 7 7/8"	4065-4308 (G)	12-59	
31O	11I Sun Fowler #1 440' FNL & 330' FEL	3651 DF	4224		- - 7"	- - 24#	- - 3966	- - 425 SX	- - 1396*	- - 8 3/4"**	3964-4132 (G) 4132-4224 (SA)	10-30	
31E	12I Sun Fowler #4 1980' FNL & 990' FWL	3655 DF	4189		9 5/8" 7"	36# 23#	1620 4075	800 SX 400 SX	Circ. 2608	12 1/4" 8 3/4"	4075-4189 (G)	4-49	
28G	32I Samedan Moon A #1 2310' FNL & 2310' FEL	3647 DF	4200	4200	12 1/2" 7"	50# 24#	2591 4000	150 SX 500 SX	2323* 976*	16"** 8 3/4"**	4000-4126 (G) 4126-4200 (SA)	2-35	
28B	31I Samedan Moon A #2 1315' FNL & 330' FWL	3650 DF	4217	4217	12 1/2" 7"	50# 22#	235 4103	150 500 SX	Circ.* 1079*	16"** 8 3/4"**	4103-4162 (G) 4162-4217 (SA)	7-35	
28H	42I Samedan Moon B #1 2310' FNL & 1120' FEL	3648 GL	4216	4216	12 1/2" 7"	50# 22#	235 4020	150 SX 500 SX	Circ.* 996*	16"** 8 3/4"**	4020-4140 (G) 4140-4216 (SA)	5-35	
28A	41I Samedan Moon B #2 330' FNL & 1120' FEL	3645 GL	4225	4225	12 1/2" 7"	50# 22#	227 4133	160 SX 750 SX	Circ.* Circ.*	16"** 8 3/4"**	4133-4175 (G) 4175-4225 (SA)	4-36	
25F	22I Samedan State B #1 1980' FNL & 2310' FWL		4343	4153	12 1/2" 7"	50# 22#	205 4039	175 SX 500 SX	Circ.* 1015*	16"** 8 3/4"**	4039-4153 (G)	11-37	
25K	12I Samedan State B #2 1650' FNL & 990' FWL	3667	4261		8 5/8" 5 1/2"	24# 14#	287 4260	250 SX 250 SX	Circ. 2930	12 1/4" 7 7/8"	4140-4236 (G)	1-58	
24N	24I Samedan State C #1 330' FSL & 2310' FWL	3675 DF	4188		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# [illegible] 13#	215 2840 [illegible] 3865/4188	150 SX 175 SX [illegible] SX 39 SX	Circ.* 2198* 3023* 3865*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4155-4165 (SA)	3-34	
24K	23I Samedan State C #2 1980' FSL & 1980' FWL	3679 DF	4171		12 1/2 9 5/8" 7" 5" Lnr.	50# 36# 24# 13#	199 2823 3966 3917/4171	150 SX 200 SX 150 SX 50 SX	Circ.* 2089* 3059* 3917*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4140-4150 (GA)	6-34	
24L	13I Samedan State C #3 2310' FSL & 1315' FWL	3679 DF	4200		12 1/2" 7" 5" Lnr.	50# 22# 13#	219 4002 3942/4200	150 SX 500 SX 40 SX	Circ.* 720* 3942*	17 1/2" 8 5/8" 6 1/4"**	4135-4145 (SA)	4-35	
24M	14I Samedan State C #4 1315' FSL & 1315' FWL	3674 DF	4218		12 1/2" 7" 5" Lnr.	50# 22# 13#	221 4035 3962/4218	175 SX 800 SX 36 SX	Circ.* Circ.* 3962*	16"** 8 3/4"** 6 1/4"**	4190-4200 (SA)	10-35	
36J	33I Samedan Turner A #1 1980' FSL & 2310' FEL	3630 GL	4215		12 1/2" 7" 5"	50# 22# 13#	254 4055 4214	200 SX 500 SX 370 SX	Circ.* 1031* Circ.*	16"** 8 3/4"** 6 1/4"**	4136-4144 (SA) 4176-92&4198-4202 below pkr.; not producing	3-35	
36O	34I Samedan Turner A #2 1320' FSL & 2310' FEL	3620 GL	4204		12 1/2" 7" 5"	50# 22# 13#	254 4066 4194	150 SX 500 SX 370 SX	Circ.* 1042* Circ.*	16"** 8 3/4"** 6 1/4"**	4136-4141 (SA)	5-35	
36I	43I Samedan Turner B #1 1640' FSL & 1190' FEL	3630 GL	4241		12 1/2" 7"	45# 22#	209 4063	200 SX 800 SX	Circ.* 1008*	17 1/2" 9 5/8"	4063-4214 (G) 4214-4241 (SA)	3-38	
36P	44I Samedan Turner B #2 400' FSL & 1190' FEL	3620 GL	4233		9 5/8" 5 1/2"	36# 15#	190 4150	102 SX 350 SX	Circ.* 2890*	12" 8 3/4"	4150-4204 (G) 4204-4233 (SA)	6-44	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
31P	441 Shell Berry #1 330' FSL & 330' FEL	3635 GL	4220	4211	12 1/2" 9" 6 5/8" 5" Liner	50# 36# 24# 11.5#	242 2800 3935 3930/4219	200 SX 600 SX 200 SX 100 SX	Circ.* 1047* 2596* 3930*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	4122-4211 (SA)	9-30	8-66 (Rec.)
31J	131 Shell Berry #2 2200' FSL & 2310' FEL	3642 GL	4210	4207	12 1/2" 9 5/8" 7"	50# 36# 24#	238 2800 3941	200 SX 600 SX 225 SX	Circ.* 595* 2580*	16"** 11 3/4"** 8 3/4"**	3961-4100 (G) 4100-4207 (SA)	11-30	
31I	431 Shell Berry #3 2970' FSL & 330' FEL	3641 GL	4225		12 1/2" 9 5/8" 7" 5 1/2" Liner	50# 36# 24# 15.5#	253 2766 3962 3923/4224	150 SX 150 SX 250 SX 100 SX	98* 2216* 2650* 3923*	18" 11 3/4"** 8 3/4"** 6 1/4"**	4159-4218 (SA)	7-34	
31O	341 Shell Berry #4 1315' FSL & 1325' FEL	3640 GL	4219	4224	12 1/2" 9 5/8" 7" 5 1/2" Liner	50# 36# 24# 15.5#	251 1524 3980 3880/4219	150 SX 200 SX 250 SX 100 SX	53* 792* 2468* 4229*	12" 11 3/4"** 8 3/4"** 6 1/4"**	4161-4224 (SA)	8-66	
28M	141 Shell Grimes #1 330' FSL & 330' FWL	3647 GL	4212		12 1/2" 9 5/8" 7" 5"	50# 36# 24# 15#	236 2750 3960 4228	200 SX 600 SX 225 SX 125 SX	Circ.* 548* 2599* 2746*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4125-4225 (SA)	9-30	
28L	131 Shell Grimes #2 2310' FSL & 330' FWL	3649 GL	4234	4232	12 1/2" 9 5/8" 7" 5 1/2" Liner	50# 36# 24# 15.5#	238 2751 3973 3933/4233	200 SX 600 SX 225 SX 100 SX	Circ.* 549* 3612* 3932*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4190-4230 (SA)	9-30	1-66 (Rec.)
28K	231 Shell Grimes #3 1325' FSL & 1325' FWL	3651 GL	4231	4228	15 1/2" 9 5/8" 7" 5 1/2" Liner	70# 36# 24# 15.5#	246 2750 3955 3918/4230	150 SX 150 SX 250 SX 100 SX	Circ.* 2315 2443* 3918*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4150-4223 (SA)	11-33	
28H	241 Shell Grimes #4 330' FSL & 2310' FWL	3646 GL	4230	4225	12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	256 2770 3935 4229	150 SX 150 SX 250 SX 100 SX	Circ.* 2220* 2423* 2338*	16" 11 3/4"** 8 3/4"** 6 1/4"**	4004-4010 (SA)	9-34	
28L	132 Shell Grimes #10 1880' FSL & 750' FWL	3658 DF	7350	5810	13 3/4" 9 5/8" 7" Liner	43# 36# 23#	352 3816 3611/7143	200 SX 1400 SX 685 SX	Circ. Circ.* 3611	17 1/2" 12 1/4" 8 3/4"	4210-4264 (SA)	10-69	
19M	141 Shell McKinley A #1 330' FSL & 330' FWL	3663 DF	4268	4244	12 1/2" 9" 7" 5 1/2" Liner	50# 34# 24# 15.5#	238 2783 3880 3810/4247	300 SX 500 SX 500 SX 100 SX	Circ.* 1323* 656* 3810*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4144-4240 (SA)	6-30	
19O	341 Shell McKinley A #2 2310' FEL & 330' FSL	3658 DF	4245		12 1/2" 9 5/8" 7" 5 1/2" Liner	50# 36# 24# 15.5#	236 2750 3975 3937/4245	200 SX 600 SX 225 SX 100 SX	Circ.* 548* 2614* 3937*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4183-4218 (SA)	7-30	
19C	441 Shell McKinley A #3 330' FSL & 330' FEL	3657 DF	4242	4240	15 1/2" 9" 6 5/8" 5" Liner	70# 34, 40# 24# 13#	221 2775 3982 3949/4241	200 SX 600 SX 200 SX 100 SX	Circ.* 1022* 2603* 3949*	18"** 11 3/4"** 8 1/4"** 6 1/4"**	4185-4236 (SA)	12-32	9-66 (Rec.)
19N	241 Shell McKinley A #4 330' FSL & 2310' FWL	3661 DF	4247	4244	12 1/2" 9 5/8" 7" 5 1/2" Liner	50# 36# 24# 15.5#	246 2750 3975 3936/4246	200 SX 600 SX 225 SX 100 SX	Circ.* 548* 2614* 3936*	16"** 11 3/4"** 8 3/4"** 6 3/4"**	4144-4230 (SA)	9-30	
19J	331 Shell McKinley A #5 2310' FSL & 2310' FEL	3661 DF	4256	4250	12 1/2" 9 5/8" 7" 5 1/2" Liner	50# 36# 24# 15.5#	253 2750 3975 3923/4255	200 SX 600 SX 225 SX 21 SX	Circ.* 548* 2614* 3923*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4148-4220 (SA)	9-30	
19K	231 Shell McKinley A #6 2310' FSL & 2310' FWL	3663 DF	4247	4244	12 1/2" 9 5/8" 7" 5 1/2" Liner	50# 36# 24# 15.5#	239 2750 3975 3931/4246	200 SX 600 SX 255 SX 100 SX	Circ.* 548* 2704* 3931*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4130-4235 (SA)	9-30	
19L	131 Shell McKinley A #7 2310' FSL & 330' FWL	3667 DF	4247		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	240 2774 3980 4247	300 SX 600 SX 225 SX 150 SX	Circ.* 572* 2619* 1410*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4106-4242 (SA)	9-30	
19I	431 Shell McKinley A #10 1650' FSL & 990' FEL	3663 DF	4286	4251	7 7/8" 4 1/2"	26.4# 10.5#	272 4285	200 SX 435 SX	Circ. Circ.	12 1/4" 6 1/4"	4197-4238 (SA)	7-68	

**Estimate

(GRAYBURG - SAN ANDRES)
UNIT WELLS

W. Robbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elevs.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
19N	242 Shell McKinley A #11 420' FSL & 1980' FWL	3668 DF	7105	4334	13 3/8" 9 5/8" 5 1/2" Lnr.	48# 36# 15.5#	360 3794 3533/7103	360 SX 500 SX 950 SX	Circ. Circ. 3684*	17 1/2" 12 1/4 8 3/4"	4192-4197 (SA)	5-70	
20K	231 Shell McKinley B #1 2310' FSL & 1320' FWL	3657 DF	4210	4124	12 1/2" 9 5/8" 7"	50# 36# 24#	242 1810 4025	200 SX 600 SX 2816*	Circ.* 6084 8 3/4"**	16"** 11 3/4"** 8 3/4"**	4025-4132 (G) 4157-4210 (SA)	10-30	3-65 (TA)
20N	241 Shell McKinley B #2 330' FSL & 2310' FWL	3652 GL	4330	4283	12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	241 2855 3985 3805/4327	200 SX 600 SX 225 SX 100 SX	Circ.* 653* 2624* 3805*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4232-4266 (SA)	10-30	4-73 (Rec.)
20M	141 Shell McKinley B #3 330' FSL & 330' FWL	3657 DF	4252		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	223 2797 3980 3929/4228	200 SX 600 SX 200 SX 44 SX	Circ.* 595* 2131* 3929*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4210-4252 (SA)	11-32	
20K	232 Shell McKinley B #4 1325' FSL & 1325' FWL	3656 DF	4330	4280	15 1/2" 9 5/8" 7" 5" Lnr.	70# 36# 24# 15#	243 1615 4089 3853/4349	150 SX 75 SX 250 SX 55 SX	Circ.* 1393* 2571* 3853*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4230-4252 (SA)	7-33	
20L	131 Shell McKinley B #5 1650' FSL & 330' FWL	3662 DF	4276	4269	8 5/8" 5 1/2"	24# 15.5#	292 4266	300 SX 600 SX	Circ. 4226	12 1/4" 7 7/8"	4227-4254 (SA)	7-69	
13P	441 Shell Rice #1 330' FSL & 330' FEL	3673 DF	4258	4253	12 1/2" 9" 7" 5 1/2" Lnr.	50# 34# 24# 15.5#	228 2186 3520 3844/4257	200 SX 600 SX 250 SX 100 SX	Circ. 1199* 1473* 3942	18" 12" 8 1/8" 6 1/4"	4000-4046 (G) 4207-4243 (SA)	9-32	
13O	341 Shell Rice #2 660' FSL & 1980' FEL	3678 DF	4263	4259	12 1/2" 9 5/8" 7" 5" Lnr.	40# 36# 24# 15#	245 1612 3960 3745/4262	150 SX 200 SX 275 SX 110 SX	Circ.* 878* 2297* 3745*	15"** 11 3/4"** 8 3/4"** 6 1/4"**	4195-4247 (SA)	12-56	
13I	431 Shell Rice #3 1650' FSL & 990' FEL	3676 DF	4300	4282	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	264 1591 3960 3867/4299	220 SX 630 SX 160 SX 100 SX	Circ.* Circ.* 2992* 3867*	16" 12" 8 3/4" 6 1/4"	4223-4271 (SA)	12-35	
13J	331 Shell Rice #4 1980' FSL & 1980' FEL	3679 DF	4243	4090	8 5/8" 5 1/2"	32# 15.5#	318 4243	300 SX 1100 SX	Circ. Circ.*	12 1/4" 7 7/8"	3948-4084 (G)	7-57	
27M	141 Shell Sanger #1 287' FWL & 330' FSL	3644 GL	4229		12 1/2" 9 5/8" 7"	50# 36# 24#	215 1648 4060	250 SX 363 SX 250 SX	Circ.* 316* 2548*	16"** 11 3/4"** 8 3/4"**	4110-4185 (SA)	10-34	
27N	241 Shell Sanger #2 330' FSL & 1325' FWL	3643 GL	4228		12 1/2" 9 5/8" 7"	50# 40# 24#	210 1648 4060	750 SX 350 SX 250 SX	Circ.* 364* 2548*	17 1/2" 11 3/4"** 8 3/4"**	4060-4150 (G) 4150-4226 (SA)	2-35	
27L	131 Shell Sanger #3 1650' FSL & 412' FWL	3638 GL	4223		12 1/2" 9 5/8" 7"	50# 40.6# 28#	259 1645 4075	150 SX 200 SX 250 SX	31* 913* 2563*	16 1/2" 11 3/4"** 8 3/4"**	4075-4133 (G) 4133-4223 (SA)	6-35	
27E	121 Shell Sanger #4 2645' FSL & 412' FWL	3636 GL	4221		12 1/2" 9 5/8" 7"	50# 36# 24#	270 1705 4108	150 SX 575 SX 275 SX	Circ. Circ.* 2445*	17 1/2" 11 3/4"** 8 3/4"**	4108-4187 (G) 4187-4221 (SA)	6-36	
27K	231 Shell Sanger #5 1350' FSL & 1350' FWL	3639 GL	4239		13" 9 5/8" 7"	48# 36# 24#	271 1718 4093	150 SX 450 SX 250 SX	92* 412* 2581*	17 1/2" 12 1/4" 8 3/4"	4093-4209 (G) 4209-4239 (SA)	7-31	
27D	111 Shell Sanger #6 1200' FNL & 470' FWL	3641 GL	4360		8 5/8" 5 1/2"	24# 15.5#	347 4222	275 SX 450 SX	Circ. 1861*	12 1/4" 7 7/8"	4222-4260 (G) 4260-4360 (SA)	2-70	
32G	321 Shell State A #2 1650' FNL & 2310' FEL	3628 GL	4185	3048	12 1/2" 9" 6 5/8"	50# 34# 24#	230 2359 3950	Unknown Unknown Unknown	- - -	16"** 11 3/4"** 8 1/4"**	3950-3955 (G) 3955-4185 (SA)	8-30	
32H	421 Shell State A #3 2310' FNL & 330' FEL	3636 GL	4216	4210	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# -24# 15.5#	245 2355 3550 3916/4213	200 SX 600 SX 225 SX 125 SX	Circ.* 553* 2589* 3916*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4212-4218 (SA)	8-30	12-65 (Rec.)

N. Bubbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Unit Ltr.	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Sacks of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abd. Date
32G	322 Shell State A #6 2310' FNL & 2110' FEL	3637 GL	4151	4107	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	240 2750 3960 3911/4227	200 SX 600 SX 225 SX 94 SX	Circ.* 548* 2599* 3911*	16" 11 3/4"** 8 3/4"** 6 1/4"**	4064-4078 (SA)	9-30	12-45 (Rec.)
33D	111 Shell State B #1 330' FWL & 330' FWL	3651 GL	4236	4230	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	260 2350 3968 3929/5236	200 SX 600 SX 225 SX 90 SX	Circ.* 548* 2607* 3923*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4201 (SA)	9-30	
33C	221 Shell State B #2 330' FNL & 2310' FWL	3643 GL	4227	4225	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	296 2760 3930 3867/4226	150 SX 150 SX 250 SX 100 SX	284 2210* 3418* 3886*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4122-4222 (SA)	6-34	
24F	221 Shell State D #1 2310' FNL & 2310' FWL	3673 DF	4260	4223	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	225 2802 4030 3953/4259	150 SX 150 SX 250 SX 100 SX	Circ.* 2252* 2518* 3953*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4123-4220 (SA)	10-34	
24C	211 Shell State D #2 660' FNL & 1980' FWL	3675 DF	4260		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	257 1599 4010 3952/4260	150 SX 200 SX 250 SX 100 SX	Circ.* 865* 2498* 3952*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4099-4101 (SA) 4101	3-35	
23C	321 Shell State F #2 1650' FNL & 1650' FEL	3688 DF	4265	4162	8 5/8" 5 1/2"	32# 15.5#	309 4265	300 SX 1355 SX	Circ. Circ.	12 1/4" 7 7/8"	4106-4158 (G)	7-57	
23B	311 Shell State F #3 330' FNL & 1650' FEL	3686 DF	4126	4124	8 5/8" 5 1/2"	32# 15.5#	300 4126	300 SX 730 SX	Circ.* 296*	11"** 7 7/8"**	3932-4119 (G)	8-57	
34G	321 Shell Turner #1 330' FSL & 330' FWL	3635 GL	4220		12 1/2" 8 5/8" 6 5/8"	50# 32# 24#	276 1677 4065	150 SX 250 SX 250 SX	Circ.* 783* 2341*	16" 11"** 8 1/4"**	4065-4140 (G) 4140-4220 (SA)	4-35	
34B	311 Shell Turner #2 1605' FSL & 330' FWL	3641 GL	4241		12 1/2" 9 5/8" 7"	50# 36# 24#	282 1700 4134	150 SX 625 SX 300 SX	Circ.* Circ.* 2320*	16" 11 3/4"** 8 3/4"**	4134-4241 (SA)	9-35	
20J	331 Bill Sweet Bowers B #2A 1650' FSL & 2010' FEL	3654 GL	4202		8 5/8" 5 1/2"	40# 15.5#	252 4130	150 SX 600 SX	Circ. 982*	11"** 7 7/8"**	4198-4202 (SA)	5-54	
20I	431 C. H. Sweet Grimes #1A 1650' FSL & 660' FEL	3644	4253	4246	8 5/8" 5 1/2"	15.5# 17#	305 4252	150 SX 300 SX	Circ. 984*	11" 6 3/4"	4207-4215 (SA)	6-52	8-75 (TA)
20I	432 C. H. Sweet Grimes #3A 1850' FSL & 990' FEL	3655 GL	4210	4206	10 3/4" 7"	40# 23#	247 4050	150 SX 600 SX	Circ. 2673	15" 9 5/8"	4050-4210 (C)	1-54	1-75 (TA)
20H	421 C. H. Sweet McKinley B #2 2310' FNL & 990' FEL	3654 GL	4414		8 5/8" 5 1/2"	28# 15.5#	302 4278	150 SX 200 SX	Circ. 2952	11" 6 3/4"	4252-4256 (SA)	5-52	
23A	411 C. H. Sweet State F #1A 330' FNL & 330' FEL	3686 DF	4115	4073	8 5/8" 5 1/2"	23.7# 15.5#	334 3915	125 SX 75 SX	Circ. 3406	11" 6 3/4"	3915-4073 (C)	6-51	8-63 (TA)
23H	421 C. H. Sweet State F #2A 1650' FNL & 330' FEL	3685 DF	4158		8 5/8" 5 1/2"	23.7# 15.5#	334 3997	125 SX 175 SX	Circ.* 2363*	11" 6 3/4"	4000-4145 (C) 4145-4158 (SA)	7-51	
23I	431 C. H. Sweet State F #3 2310' FSL & 330' FEL	3681 DF	4151		8 5/8" 5 1/2"	24.7# 15.5#	252 3993	125 SX 390 SX	Circ. 1922*	12" 7 3/8"	3993-4152 (G) 4152-4191 (SA)	1-53	
20A	412 C. H. Sweet State F #4 990' FNL & 660' FEL	3682 DF	4204		8 5/8" 5 1/2"	- -	240 3940	125 SX 250 SX	Circ.* 2678*	11"** 7 7/8"**	3940-4149 (C) 4142-4206 (SA)	2-52	
25A	411 Texaco New Mexico St. C #1 330' FNL & 330' FEL	3670 DF	4219	4250	12 1/2" 8 1/4" 6 1/4" 4 1/2" Lnr.	50# 32# 26# 11.6#	220 2750 3969 3869/4257	200 SX 600 SX 200 SX 50 SX	Circ.* 1362* 2463* 4188	16"** 11 3/4"** 7 5/8"** 5 3/4"	4180-4223 (SA)	8-30	
25H	421 Texaco New Mexico St. C #2 2310' FNL & 330' FEL	3671 DF	4210	4074	12 1/2" 9" 7"	50# 36# 24#	220 2163 3932	175 SX 600 SX 200 SX	Circ.* 1010* 2458*	16"** 11 3/4"** 8 1/2"**	3932-4074 (C)	9-30	
25G	321 Texaco New Mexico St. C #3 1980' FNL & 1980' FEL	3670 DF	4268		12 1/2" 9" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	222 2250 3937 3803/4267	200 SX 600 SX 200 SX 75 SX	Circ.* 992* 2503* 3803*	16"** 11 3/4"** 8 1/2"** 6 1/4"**	3988-4096 (C)		

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	Fm.	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
25A	311 Texaco New Mexico St. C #4 330' FNL & 1980' FEL	3677 DF	4232	4132	12 1/2" 9" 7"	50# 36# 26#	220 2356 3932	200 SX 600 SX 200 SX	Circ.* 1001* 2181*	16"** 11 3/4"** 8 1/4"**	3932-4076 (G)	3-33	
24P	441 Texas Pac. State G #1 330' FSL & 330' FEL	3668 DF	4214		20" 12" 9" 7"	90# 50# 36# 24#	105 1521 2815 3880	125 SX 300 SX 700 SX 200 SX	Circ.* Circ. 2704* 2131*	22"** 15 1/2"** 11 3/4"** 8 1/4"**	3885-4048 (G) 4048-4214 (SA)	7-30	
24I	431 Texas Pac. State G #2 990' FSL & 330' FEL	3670 DF	4218		12 1/2" 9" 7"	50# 36# 24#	221 2782 3951	180 SX 510 SX 250 SX	Circ.* 1292* 2439*	15 1/2"** 11 3/4"** 8 3/4"**	3750-4045 (G) 4045-4218 (SA)	11-30	
24J	331 Texas Pac. State G #3 1320' FSL & 1325' FEL	3670 DF	4227		12 1/2" 9" 7"	50# 36# 24#	215 2819 3878	200 SX 400 SX 300 SX	Circ.* 1342* 2068*	16"** 11 3/4"** 8 3/4"**	3878-4060 (G) 4060-4227 (SA)	6-32	
24O	341 Texas Pac. State G #4 330' FSL & 990' FEL	3669 DF	4225		12 1/2" 9" 7"	50# 36# 24#	208 2810 3896	200 SX 400 SX 300 SX	Circ.* 1642* 2082*	16"** 11 3/4"** 8 3/4"**	3986-4042 (G) 4092-4213 (SA)	5-33	
16I	431 Texas Pac. State V #1 1650' FSL & 330' FEL	3690 DF	4162	4159	8 5/8" 5 1/2"	24# 14#	314 4162	300 SX 300 SX	Circ. 2558	12 1/4" 7 7/8"	4012-4134 (G)	1-58	
16J	331 Texas Pac. State V #2 1650' FSL & 1650' FEL	3691 DF	4325		8 5/8" 5 1/2"	28# 14#	328 4324	325 SX 300 SX	Circ.* 2750*	12 1/4" 7 7/8"	4108-4246 (G)	3-58	
23C	211 Texas Pac. State V #3 330' FNL & 2310' FWL	3689 DF	4296	4286	8 5/8" 5 1/2"	28# 14#	320 4296	325 SX 300 SX	Circ. 2905	12 1/4" 7 7/8"	4032-4212 (G)	2-59	
23F	221 Texas Pac. State V #4 1650' FNL & 2310' FWL	3689 DF	4306		8 5/8" 5 1/2"	28# 14#	332 4314	450 SX 300 SX	Circ.* 2740	12 1/4" 7 7/8"	4092-4236 (G)	3-59	
23K	231 Texas Pac. State V #5 2310' FSL & 2310' FWL	3690 DF	4330	4300	8 5/8" 5 1/2"	24# 15.5#	310 4330	350 SX 300 SX	Circ. 2630	12" 7 7/8"	4146-4256 (G)	6-59	
23N	241 Texas Pac. State V #6 990' FSL & 2310' FWL	3686 DF	4330	4380	8 5/8" 5 1/2"	24# 15.5#	339 4389	350 SX 300 SX	Circ.* 2815*	11" 7 7/8"	4119-4162 (G)	8-59	
21O	341 Wiser Morris A #1 330' FSL & 2310' FEL	3649 DF	4238		12 1/2" 7" 4 1/2"	50# 24# 9.5#	252 4066 4002	200 SX 468 SX 400 SX	Circ.* 1236* Circ.	16" 8 3/4" 6 1/4"**	4066-4202 (G) 4202-4238 (SA)	3-36	
21P	441 Wiser Morris B #1 230' FSL & 1090' FEL	3647 DF	4244		10 3/4" 7" 4 1/2"	36# 24# 9.5#	2259 4097 4072	125 SX 400 SX 400 SX	Circ.* 2014* Circ.	13 1/2"** 9"** 6 1/4"**	4080-4218 (G) 4218-4244 (SA)	11-37	
26B	311 Wiser State L #1 330' FNL & 1900' FEL	3685 DF	4329	4310	8 5/8" 4 1/2"	24# 11.6#	353 4329	225 SX 425 SX	Circ. 2770	12 1/4" 7 7/8"	4220-4284 (G)	10-75	
23P	441 Yates Shell State #1 330' FEL & 990' FSL	3681 DF	4225		8 5/8" 5 1/2"	24# 15.5#	311 4225	160 SX 1300 SX	Circ.* Circ.*	11"** 7 7/8"**	4124-4168 (G) 4204-4224 (SA)	1-56	
23J	331 Yates Shell State #2 1650' FEL & 2310' FSL	3687 DF	4283	4210	8 5/8" 5 1/2"	24# 14#	341 4282	180 SX 1200 SX	Circ.* Circ.*	11"** 7 7/8"**	4148-4194 (G) 4226-4258 (SA)	4-56	
23O	341 Yates Shell State #3 1650' FEL & 990' FSL	3683	4302		8 5/8" 5 1/2"	- -	352 4302	180 SX 750 SX	Circ. 3674	12 1/2" 7 7/8"	4144-4228 (G)	5-56	
14P	441 Estes (Yeager) State #1 660' FSL & 660' FEL	3690	4150	4132	8 5/8" 4 1/2"	24# 40#	350 4149	275 SX 350 SX	Circ. 2790	12 1/4" 7 7/8"	4030-4126 (G)	6-75	

OUTSIDE WELLS LOCATED WITHIN ONE-HALF MILE OF THE PROPOSED NORTH HOBBS UNIT BOUNDARY

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
34D	#1 660' FNL & 660' FWL	3641' DF	4246		16" 10 3/4" 7" 5" Lnr.	70# 45.5# 24# 18#	224 1647 3976 3872/4221	100 SX 350 SX 150 SX 50 SX	Circ.* 555* Circ. 3872	18"** 13"** 8 7/8"** 6 1/4"**	4080-4220 (G-SA) 4221-4246 (G-SA Open Hole)
34E	#2 660' FWL & 1980' FNL	3641' DF	4220		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 45.5# 36# 14#	232 2776 3975 3919/4220 Surf/3919	100 SX 400 SX 150 SX 188 SX	Circ.* 1528* Circ. 3919*	18"** 13"** 9 5/8"** 7 7/8"**	4050-4218 (G-SA)
34L	#3 1980' FSL & 560' FWL	3629' DF	4240		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 45.5# 36# 14#	216 2748 3962 3927/4222 Surf/3927	125 SX 400 SX 150 SX 75 SX	Circ.* 1500* Circ. 3927	18"** 13"** 9 5/8"** 7 7/8"**	4078-94 (G-SA) 4220-40 (G-SA)
34K	#4 2004' FSL & 1740' FWL	3626' DF	4232		16" 10 3/4" 8 5/8" 5 1/2"	70# 40# 36# 14#	226 1637 3990 4211	75 SX 75 SX 250 SX 800 SX	42* 1403* 1707* 740	18"** 13"** 9 5/8"** 7 3/8"	4045-4206 (G-SA) 4211-4232 (G-SA Open Hole)
33P	#5 660' FSL & 660' FEL	3631' DF	4241		16" 10 3/4" 8 5/8" 5 1/2"	70# 45.5# 36# 14#	209 2752 3946 4220	125 SX 400 SX 140 SX 300 SX	Circ.* 1504* 1750 2543*	18"** 13"** 9 5/8"** 7 3/4"**	4063-4208 (G-SA) 4220-4241 (G-SA Open Hole)
34M	#6 653' FSL & 633 FWL	3622' GL	4241		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 45.5# 36# 14#	196 2541 3985 3884/4207 Surf/3884	75 SX 500 SX 250 SX 750 SX	12* 981* Circ. Circ.	18"** 13" 9 5/8" 7 7/8"**	4065-4207 (G-SA) 4207-4241 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Casing Amt. of Cmt.	Casing TOC	Casing Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
34N	#7	3613' DF	4218		16"	70#	200	75 SX	16*	18"**	4106-4190 (G-SA)
	1980' FWL & 660' FSL				10 3/4"	40#	1622	75 SX	1260*	12 1/4"	4199-4218 (G-SA Open Hole)
					8 5/8"	36#	3990	150 SX	Circ.	9 7/8"	
					5 1/2"	14#	4199	700 SX	729	7 7/8"**	
6D	#8	3643' GL	4272	4240	8 5/8"	22.7#	322	250 SX	Circ.	11"	4154-4220 (G-SA)
	330' FNL & 933' FWL				5 1/2"	14#	4272	650 SX	861*	7 7/8"	
6C	#9	3642' DF	4221	4191	15 1/2"	70#	200	175 SX	Circ.*	18"**	4062-4172 (G-SA)
	330' FNL & 2310' FWL				10 3/4"	40.5#	2777	400 SX	1777*	13 1/2"**	
					7"	24#	3926	250 SX	2414*	8 3/4"**	
					5" Lnr.	15#	3802/4221	100 SX	3802	6 1/4"**	
6B	#10	3638' DF	4108		13 3/8"	36#	362	300 SX	Circ.*	17 1/2"	3980-4074 (G-SA)
	480' FNL & 1650' FEL				5 1/2"	15.5#	4095	1250 SX	Circ.*	7 7/8"	4095-4108 (G-SA Open Hole)
6A	#11	3628' DF	4232		12 1/4"	-	214	75 SX	94*	16"**	4127-4214 (G-SA)
	330' FNL & 330' FEL				9 5/8"	-	2810	500 SX	975*	11 3/4"**	
					7"	24#	3968	300 SX	1999*	8 5/8"**	
					4 1/2" Lnr.	9.5#	3795/4232	80 SX	3795	6 1/4"**	
5D	#12	3629'DF	4201		16"	70#	185	75 SX	Circ.*	18"**	3974-4201 (G-SA Open Hole)
	330' FNL & 330' FWL				10 3/4"	45#	2782	350 SX	1907*	13 1/2"**	
					6 5/8"	26#	3974	150 SX	3209*	8 3/4"**	
					7"	20#	1700				
5C	#13	3628' DF	4230		16"	70#	162	55 SX	27*	18"**	4058-4173 (G-SA)
	330' FNL & 2360' FWL				10 3/4"	45.5#	2749	300 SX	1999*	13 1/2"**	4190-4230 (G-SA Open Hole)
					6 5/8"	26#	3920	150 SX	Circ.	8 3/4"**	
					5"	15#	4190	750 SX	Circ.*	6 1/4"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
5B	#14 2317' FEL & 334' FNL	3626' DF	4175	4172	13" 9 5/8" 7" 5 1/2"	50# 36# 26# 15.5#	201 2761 3930 4175	150 SX 500 SX 230 SX 50 SX	40* 1310* Circ. 2900	18" 12 1/4" 8 7/8" 6 1/4"	4100-4165 (G-SA)
5A	#15 660' FNL & 660' FEL	3628' DF	4225		13 3/8" 9 5/8" 7" 5 1/2"	50# 36# 26# 15.5#	192 2746 3984 4175	150 SX 500 SX 225 SX 50 SX	Circ.* 1295* 2724* 3700	18" 12 1/4"** 8 7/8"** 6 1/2"**	4030-4175 (G-SA) 4175-4225 (G-SA Open Hole)
4D	#16 660' FNL & 660' FWL	3626' DF	4225		16" 9 5/8" 6 5/8" 5" Lnr.	70# 40# 26# 18#	251 2798 3976 3886/4198	135 SX 700 SX 200 SX 75 SX	Circ.* 766* Circ. 3886*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4198-4225 (G-SA Open Hole)
4C	#17 660' FNL & 1980' FWL	3629' DF	4231		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 45.5# 36# 17# 	201 2754 3976 3900/4212 Surf/3900	125 SX 400 SX 150 SX 75 SX	46* 1754* 2895* 3900*	19 3/4" 13 1/2"** 9 7/8"** 7 3/8"**	4212-4231 (G-SA Open Hole)
4B	#18 660' FNL & 1980' FEL	3626' DF	4231		16" 10 3/4" 8 5/8" 5 1/2" Lnr.	70# 45.5# 36# 14#	207 2740 3950 3882/4215	125 SX 400 SX 135 SX 82 SX	Circ.* 1740* 2977* 3882*	18"** 13 1/2"** 9 7/8"** 7 7/8"	4068-4200 (G-SA) 4215-4231 (G-SA Open Hole)
4A	#19 660' FNL & 660' FEL	3623' DF	4233		16" 10 3/4" 8 5/8" 5 1/2" Lnr.	70# 45.5# 36# 14#	211 2752 3952 2645/4200	125 SX 400 SX 150 SX 300 SX	Circ.* 1752* 2871* 2645*	18"** 13 1/2"** 9 7/8"** 7 3/8"	4064-4170 (G-SA) 4200-4233 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
3D	#20 660' FNL & 660' FWL	3621' DF	4230		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 45.5# 36# 15.5#	203 2792 3964 3902/4204 Surf/3902	125 SX 400 SX 150 SX 75 SX	Circ.* 1792* 2883* 3902*	18"** 13 1/2"** 9 7/8"** 7 7/8"**	4070-4204 (G-SA) 4204-4230 (G-SA Open Hole)
3C	#21 663' FNL & 1935' FWL	3620' DF	4283	4281	8 5/8" 5 1/2"	24# 15.5#	303 4283	250 SX 675 SX	Circ.* 741*	12 1/4" 7 7/8"	4023-4280 (G-SA)
3C	#22 660' FNL & 1980' FWL	3615' DF	4198		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 40# 36# 15.5#	207 1630 4003 3878/4193 Surf/3878	75 SX 75 SX 150 SX 75 SX	23* 1443* 2922* 3878*	18"** 13 1/2"** 9 7/8"** 7 7/8"**	4176-4186 (G-SA) 4193-4198 (G-SA Open Hole)
3B	#23 660' FNL & 2310' FEL	3617' DF	4240		12 1/2" 7" 5"	50# 22# 13#	208 4055 4200	150 SX 500 SX 840 SX	Circ.* 1031* Circ.*	16"** 8 3/4"** 6 1/4"	4048-4190 (G-SA) 4200-4240 (G-SA Open Hole)
3A	#24 620' FNL & 1293' FEL	3605' GL	4234	4223	9 5/8" 5 1/2" 4 1/2"	36# 14# 12.6#	194 4114 4176	175 SX 500 SX 96 SX	Circ.* 1490* Circ.	12 1/4"** 7 7/8"** 5"**	4134-4168 (G-SA) 4176-4223 (G-SA Open Hole)
6F	#25 1650' FNL & 2310' FWL	3648' KB	4322	4290	8 5/8" 5 1/2"	24# 14#	304 4322	200 SX 1780 SX	Circ. 950	11" 7 7/8"	4108-4214 (G-SA)
6H	#26 1650' FNL & 480' FEL	3641' KB	4215		10 3/4" 7" 4 1/2" Lnr.	40.5# 24# 9.5#	361 4074 3969/4199	300 SX 800 SX 50 SX	Circ.* Circ.* 3964*	13 1/2"** 8 3/4"** 6 1/4"**	4133-4180 (G-SA) 4199-4215 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
5E	#27 1980' FNL & 660' FWL	3629' KB	4312	4183	13"	50#	200	200 SX	Circ.*	17 1/2"**	4092-4172 (G-SA)
					9 5/8"	36#	2792	500 SX	1169*	12"**	
					7"	20#	4019	300 SX	2205*	8 3/4"**	
					4 1/2" Lnr.	9.5#	3966/4190	35 SX	3966*	6 1/4"**	
5F	#28 1980' FNL & 1980' FWL	3624' DF	4226	4180	13"	50#	212	150 SX	30*	17 1/2"**	3966-4174 (G-SA)
					9 5/8"	40#	2780	300 SX	1806*	12"**	
					6 5/8"	26#	3950	150 SX	3185*	8 3/4"**	
					4 1/2" Lnr.	9.5#	3854/4183	150 SX	3854*	6 1/4"**	
5G	#29 1980' FNL & 1980' FEL	3634' KB	4220		13 3/8"	50#	175	175 SX	Circ.	15"	4106-4190 (G-SA)
					9 5/8"	40#	2744	500 SX	1293*	12 1/4"	4200-4220 (G-SA Open Hole)
					7"	26#	3932	230 SX	2644*	8 7/8"	
					5 1/2"	14#	4200	50 SX	3254*	6 1/4"	
5H	#30 1980' FNL & 660' FEL	3620' DF	4175		13"	50#	192	150 SX	Circ.	17 1/2"**	4089-4162 (G-SA)
					9 5/8"	36#	2750	500 SX	1127*	12"**	4169-4175 (G-SA Open Hole)
					7"	26#	3950	215 SX	2650*	8 3/4"**	
					5 1/2"	15.5#	4169	50 SX	3223*	6 1/4"**	
4E	#31 2310' FNL & 990' FWL	3612' DF	4275		13"	50#	259	106 SX	130*	17 1/2"**	3975-4207 (G-SA)
					9 5/8"	45#	2785	300 SX	1811*	12"**	4215-4275 (G-SA Open Hole)
					6 5/8"	26#	3993	135 SX	Circ.	8 1/4"**	
					5" Lnr.	15.5#	3947/4215	75 SX	3947*	6 1/4"**	
4F	#32 1980' FNL & 1980' FWL	3614' KB	4244	4210	13"	50#	253	180 SX	Circ.*	17 1/2"**	4078-4198 (G-SA)
					9 5/8"	45#	2772	300 SX	1798*	12"**	4199-4210 (G-SA Open Hole)
					6 5/8"	26#	3997	135 SX	3066*	8 1/4"**	
					5" Lnr.	18#	3936/4199	75 SX	3936*	6 1/4"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
4G	#33 2310' FNL & 1650' FEL	3623' KB	4255		16"	70#	152	360 SX	Circ.*	18"**	4006-4248 (G-SA)
					10 3/8"	45.5#	1523	75 SX	1354*	13 1/2"**	
					8 5/8"	36#	3259	60 SX	2827*	9 7/8"**	
					6 5/8"	26#	3952	50 SX	3492*	7 7/8"**	
					4 1/2" Lnr.	10.23#	3868/4254	75 SX	3460*	6"**	
4E	#34 1980' FNL & 660' FEL	3617' DF	4206		16"	70#	199	75 SX	Circ.*	18"**	4066-4203 (G-SA)
					10 3/4"	40#	1570	75 SX	1383*	13 1/2"**	
					8 5/8"	36#	3961	150 SX	2880*	9 7/8"**	
					5 1/2"	15.5#	4206	675 SX	664*	7 7/8"**	
3E	#35 1980' FNL & 660' FWL	3613' DF	4239		16"	70#	216	100 SX	Circ.*	18"**	4010-4212 (G-SA)
					10 3/4"	40#	2790	450 SX	1665*	13 1/2"**	4210-4239 (G-SA Open Hole)
					8 5/8"	36#	3990	150 SX	2909*	9 7/8"**	
					5 1/2"	14#	4210	650 SX	Circ.	7 7/8"**	
3F	#36 1980' FNL & 1980' FWL	3617' DF	4202	4197	13 3/8"	61#	214	135 SX	37*	17 1/2"**	4120-4195 (G-SA)
					9"	34#	1653	350 SX	727*	12"	
					7"	24#	4111	150 SX	2642*	8 1/8"	
					5 1/2" Lnr.	15.5#	3977/4202	50 SX	3977*	6 1/4"**	
					5 1/2"		Surf/3977				
3G	#37 1980' FNL & 2310' FEL	3615' KB	4290		12"	50#	250	175 SX	Circ.*	16"**	4067-4164 (G-SA)
					7"	22#	4147	500 SX	865*	8 5/8"**	4180-4290 (G-SA Open Hole)
					5"	13#	4180	300 SX	624*	6 1/4"**	
3H	#38 2205' FNL & 1293' FEL	3610' DF	4233		9 5/8"	36#	196	175 SX	Circ.*	12 1/4"**	4132-4233 (G-SA Open Hole)
					5 1/2"	14#	4132	500 SX	1508*	7 7/8"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Casing Amt. of Cmt.	Casing TOC	Casing Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
6G	#113 1650' FNL & 1650' FEL	3628' GL	4168	4141	8 5/8" 5 1/2" 4" Lnr.	24# 15.5# 11.34#	321 3279 3042/4112	250 SX 800 SX 130 SX	Circ.* Circ.* 627*	12 1/4"** 7 7/8"** 5"**	3988-4067 (G-SA,
33P	State "A-3" #27 760' FSL & 610' FEL	3634' GL	3220		9 5/8" 5 1/2"	32.2# 15.5#	338 3160	250 SX 700 SX	Circ.* Circ.*	12 1/4"** 7 3/8"	3160-3220 Open Hole)
4C	State "A" #11-X 810' FNL & 2030' FWL	3639' DF	8160	7370	13 3/8" 9 5/8" 5 1/2"	54.5# 32.3# 15.5#	1544 4434 7365	825 SX 815 SX 200 SX	Circ. 1789* 5188*	17 1/2" 12" 6 3/4"	3172-3224
	Moranco										
18E	Hardin B #1	3678' DF	4128		8 1/2" 5 1/2"	24,32# 14#	325 4135	200 SX 1850 SX	Circ.* Circ.*	11"** 7 7/8"**	4020-4098 (G-SA)
18F	Hardin B #2	3676' DF	4130	4074	8 5/8" 5 1/2"	24# 14#	228 4143	175 SX 250 SX	Circ.* 2831*	11"** 7 7/8"**	4018-4035' (G-SA)
18D	Hardin B #3 (Injector)				8 5/8" 4 1/2"	28# 9.5#	256 4169	200 SX 400 SX	Circ.* 2070*	11"** 7 7/8"**	4065-4146' (G-SA)
18C	Hardin B #4				8 5/8" 4 1/2"	28# 11.6#	222 4194	200 SX 400 SX	Circ.* 2095*	11"** 7 7/8"**	4087-4162 (G-SA)
13H	Rice #1 (Injector)				8 5/8" 5 1/2"	28# 14#	268 4018	200 SX 300 SX	Circ.* 2444*	11"** 7 7/8"**	4022-4135 (G-SA Open Hole)
13G	Rice #2				8 5/8" 5 1/2"	24# 14#	270 4034	200 SX 300 SX	Circ.* 2460*	11"** 7 7/8"**	4035-4141 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Moranco										
13A	Rice #3				8 5/8"	24#	296	200 SX	Circ.*	11"**	4051-4198 (G-SA Open Hole)
					5 1/2"	14#	4055	300 SX	2481*	7 7/8"**	
13B	Rice #4 (Injector)				8 5/8"	24#	299	175 SX	Circ.*	11"**	4040- (G-SA Open Hole)
					5 1/2"	15.5#	4040	250 SX	2728*	7 7/8"**	

WR-3198A

COMPLETION DATE 1/71 — AMERADA HOBBS STATE NO. 5 — COMPLETION INTERNAL: P&A

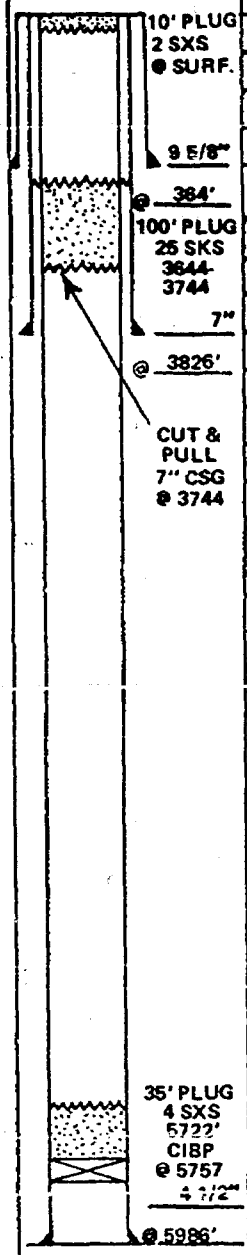
P&A DATE 5/11/73 — NORTH HOBBS (G/SA) UNIT

LOCATION 2230' FNL & 1980' FWL — SECTION 29 — BLOCK F

SURVEY — COUNTY Lea County, New Mexico

DATUM [ ] — G.L. ELEV. 3655 — TD 5986 — PBTD PA [ ]

T.D. 5986'



PBTD

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	36	364	200	*Circ	12 1/4"
7"	23	3826	140	*2975	8 3/4"
4 1/2"	11.6	5986	186	*4340	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	Blnbry	5813-5879	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PRESSURE MAINTENANCE PROJECT
EXHIBIT "11"

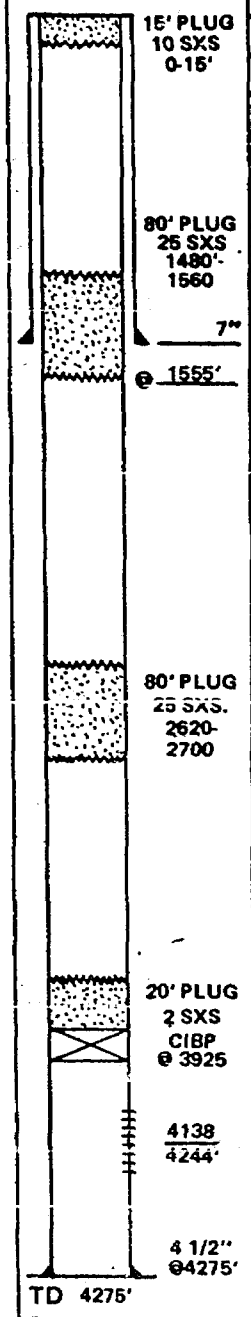
COMPLETION DATE 12-19-68 — AMERADA 'D' STATE NO. 1 — COMPLETION INTERNAL: 4138-4244(I)

RECOMPLETION DATE 10-27-70 (P&A) — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 330' FEL — SECTION 36I — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM [ ] G.L. ELEV. 3654' — TD 4275' — PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
7"	23#	1555	400	Circ.	8 3/4"
4 1/2"	10.5	4275	300	2750	6 1/4"
	11.6			(T.S)	

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1625	
T.Salt	1725	
Yates	2730	
GU	4137	-482
GL	4254	-599
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/68	I	4138-4244	18 Holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/68	I	1000 gal. AT; 20x10			32BO,
		frac.			14BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: P&A: CIBP @ 3995' w/20' cmt. on top; 25 sx cmt. from 2620-2700', 25 sx cmt. from 1480-1560'; 10 sx cmt. 0-15 w/reg. marker. Hole laden w/mud laden fluid.

DATE: 8-23-78 KI

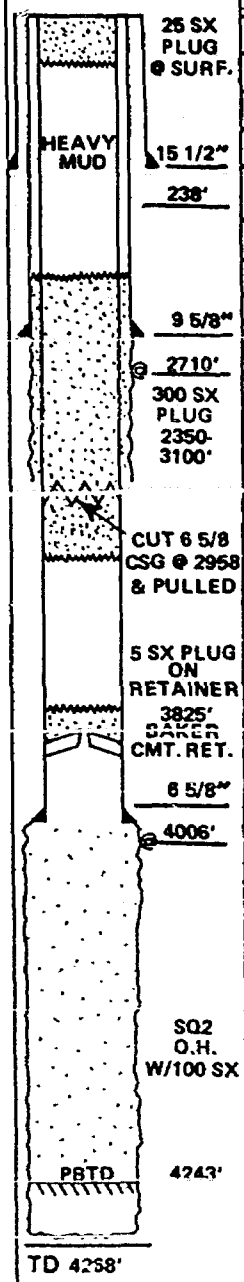
COMPLETION DATE 12-1-32 — ATLANTIC GRIMES NO. 2 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 4-18-59 (P&A) — HOBBS (G-SA) UNIT

LOCATION 1650' FWL & 2350' FNL — SECTION 28 F — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3654' [GL] — G.L. ELEV. _____ — TD 4243' — PBTD P&A [ ]



**Estimate CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	233	200	Circ.*	18"**
10"	45#	2702	700	1945*	13"**
6 5/8"	24#	3974	250	3270*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3999	-348e
GL	4086	-435e
I	4094	-443e
II	4152	-501e
III	4211	-560e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
		3974-4243'	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
	4243-68	PB w/10 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
12/33		1000 gal.	AT		
7/34		1000 gal.	AT		

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Tested for csg. leaks 9-9-53 - no leaks. See attached for P&A info.

DATE: 8-22-78 KLL

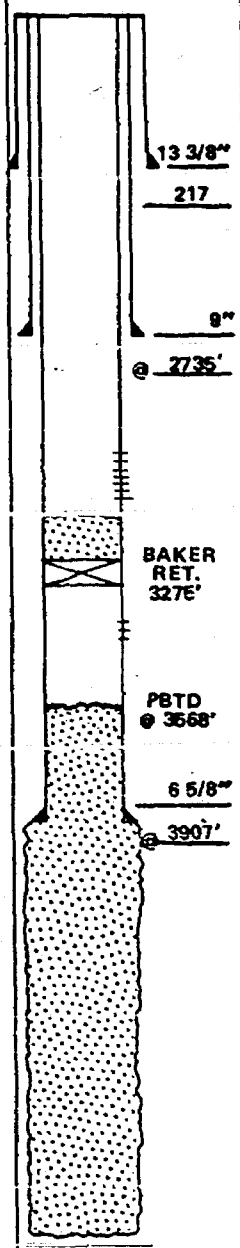
COMPLETION DATE 8-30 — CHEVRON STATE "A" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10-14-46 — HOBBS (G-SA) UNIT

LOCATION 992' FSL & 988' FEL — SECTION 29 P — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3651' [GL] G.L. ELEV. _____ TD 4090 PBTD 3260' [P&A]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	217	200	Circ.*	16"
9"	45#	2735	500	1405*	12"
6 5/8"	26#	3907	357	1813*	8 1/2"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3869e	-218
GL	3966e	-315
I	3981e	-330
II	4049e	-398
IIIU	4111e	-460
IIIL	4213e	-562
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G/SA	3907-4090	
		3150-70	
		3190-3241	
		*3287-91	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

6-13-79 JBK

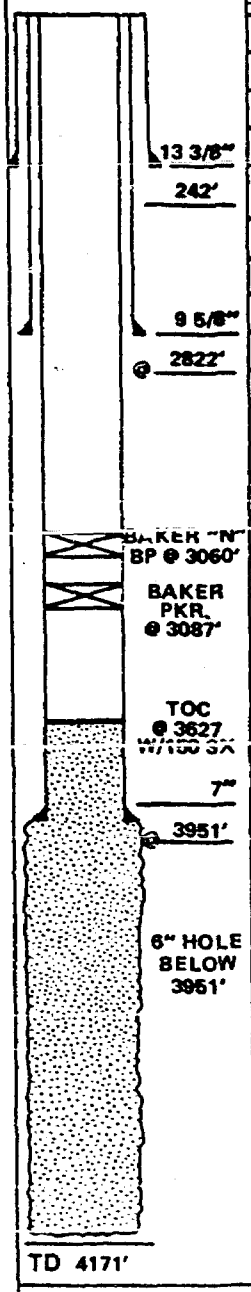
COMPLETION DATE 9-30 — CHEVRON STATE "A" No. 2 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1946 (P&A) — HOBBS (G-SA) UNIT

LOCATION 990' FSL & 1650' FEL — SECTION 29 O — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3651' — TD 4171' — PBTD 3060' [BP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	50#	242	150 sx	70*	18"
9 5/8"	36#	2822	725 sx	469*	12"
7"	30#	3951	300 sx	2137*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9-30	G-SA	*3951-4171	OH
		*3155-3175	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 1/79 KLJ

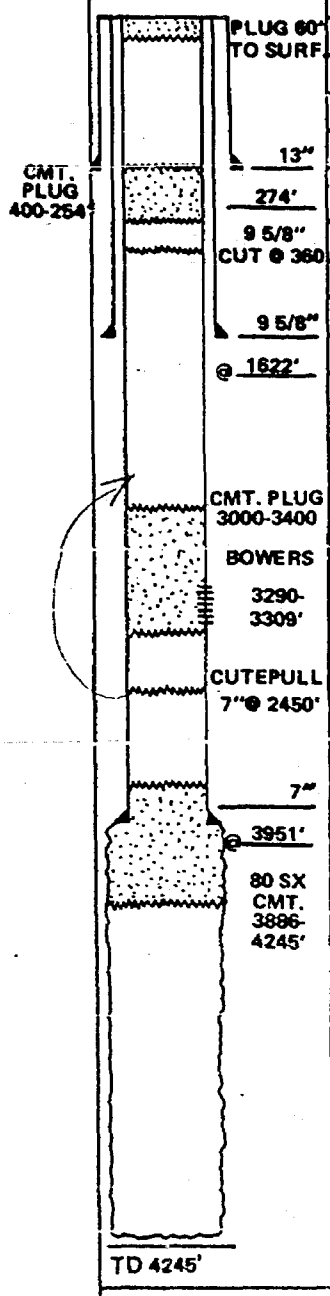
COMPLETION DATE 6-3-36 (D&A) — CONTINENTAL ST. "B-13" NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 3300' FNL & 3300' FEL SECTION 13 K BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3684' [DF] G.L. ELEV. _____ TD 4245' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	274	200	Circ.	16"**
9 5/8"	36#	1622	400	438*	12 1/4"**
7"	24#	3951	400	1149*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3959	-275e
GL	4082	-398e
I	4132	-448
II	4234	-550e
III	4304	-620
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3-36	Bowers	3290--3309'	20 holes
		3951-4245	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: P&A: 7" csg. cut @ 2450'; 1501' in hole. 9 5/8" cut @ 360'; 1262' in hole
80 sx cmt. 4245-3886'. Cmt. plug 3400-3000'. Plug from 400-254'; cellar to 60'.

DATE: 8-24-78 KLL

Rev. 12-78 KLL

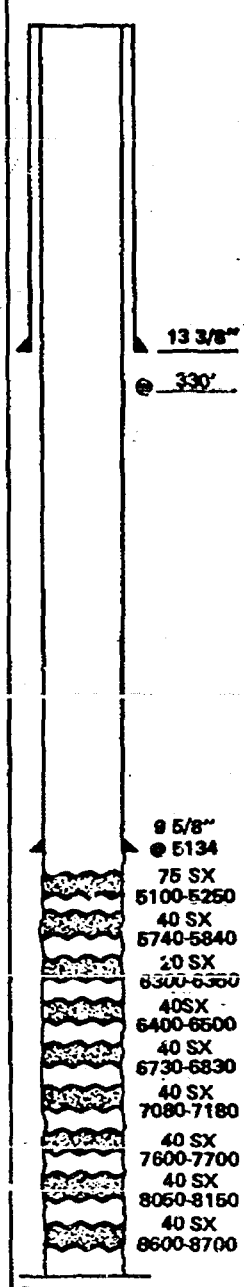
D&A DATE 5-26-60 CONTINENTAL NORTH HOBBS UNIT #1 COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ HOBBS (G-SA) UNIT

LOCATION 660' FNL & 660' FWL SECTION 13 D BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3686' [DF] G.L. ELEV. _____ TD 8877 PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	330	375	Circ.*	17 1/2"
9 5/8"	36,40#	5134	840	2700*	12 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5-60		*5134-8877	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Was loaned to Dresser Atlas for testing logging instruments

DATE: 12/78 KLL

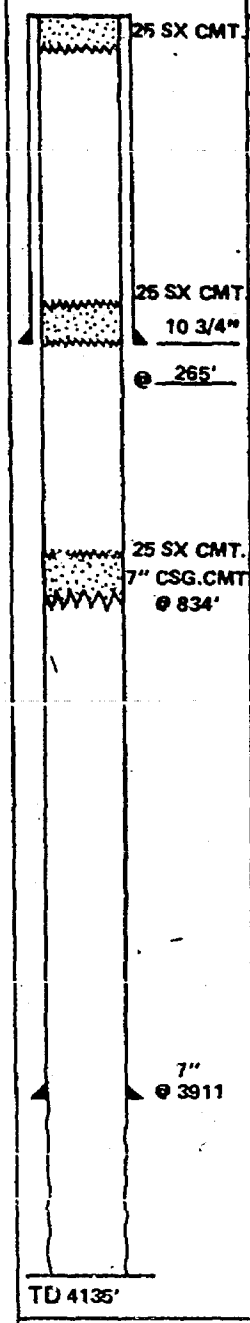
COMPLETION DATE 12-52 — ESTES-STANOLIND ST. NO. 1-A — COMPLETION INTERNAL: _____

P&A DATE 1-6-65 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FEL — SECTION 14 P — BLOCK _____

SURVEY T-18-S, R- — COUNTY Lea County, New Mexico

DATUM 3677' [DF] G.L. ELEV. _____ TD 4135' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40.5#	265	200	Circ.*	15"
7"	20#	3911	150	3539*	10 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-52	G/SA	3911-4135	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

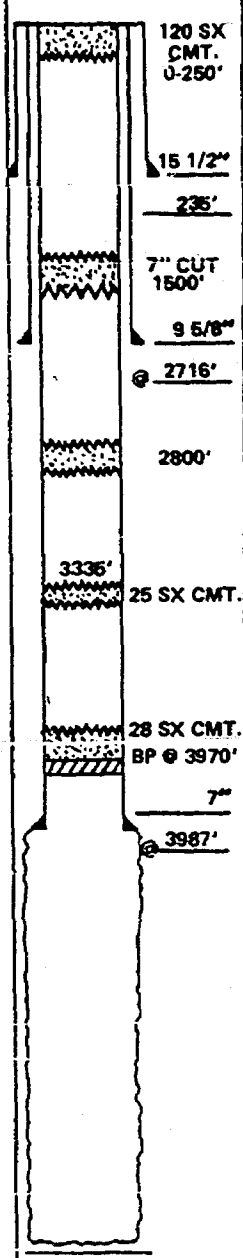
COMPLETION DATE 11-32 — EXXON-BOWERS "B" FED. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 12-21-71 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330' FWL — SECTION 29 D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3656' [DF] G.L. ELEV. _____ TD 4186' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	235	225	Circ.*	18"**
9 5/8"	36#	2716	650	830*	12 1/4"**
7"	26#	3987	300	1840*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11-32	G/SA	3987-4186'	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

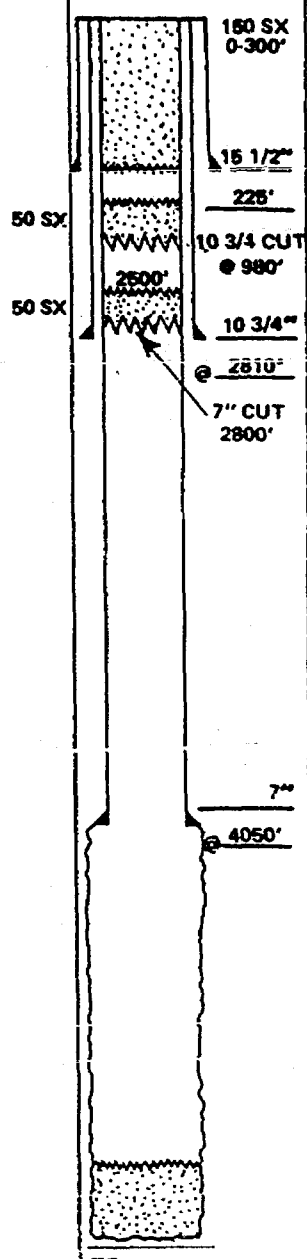
COMPLETION DATE 12-32 — EXXON ROWERS "B" NO. 2 — COMPLETION INTERNAL: _____

P&A DATE 5-6-46 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FWL — SECTION 20 J — BLOCK _____

SURVEY T-18-S, R- — COUNTY Lea County, New Mexico

DATUM 3647' [DF] G.L. ELEV. _____ — TD 4247' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	225	225	Circ.*	18"**
10 3/4"	40#	2810	700	750*	13 1/2"*
7"	26#	4050	300	1950*	8 1/2"*

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-32	G-SA	4050-4247	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLI

WR-31988

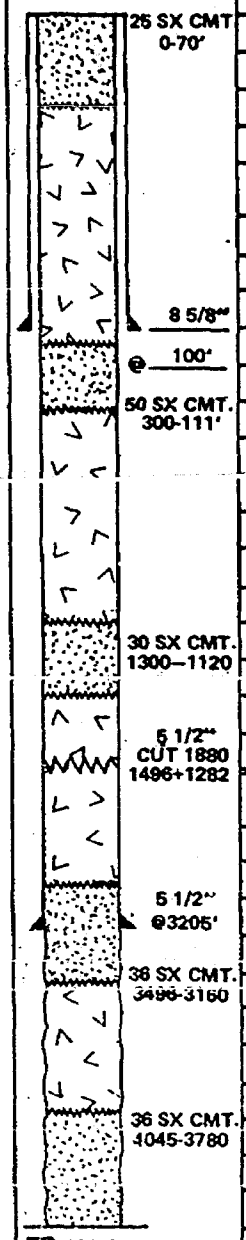
D&A DATE 3-48 — EXXON-GRIMES NO. 2 — COMPLETION INTERNAL: ____

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 660' FWL — SECTION 29 A — BLOCK ____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM ____ [ ] G.L. ELEV. 3644' — TD 4045' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	100	150	Circ.*	11"
5 1/2"	14,17#	3205	450	765*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3-48	BOW/	3205-4045	OH
	G-SA		

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

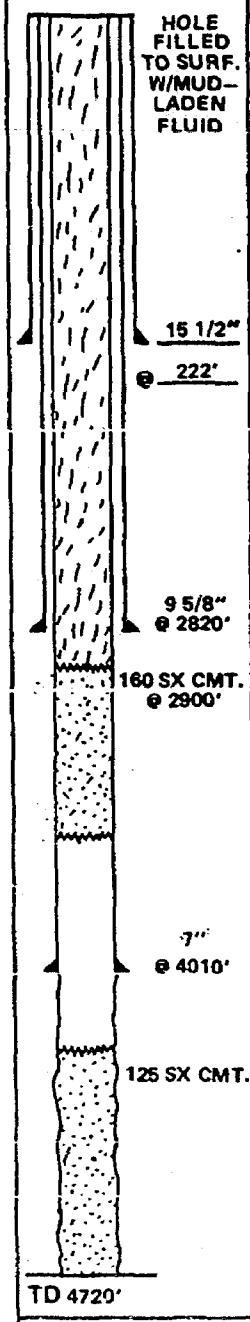
D&A DATE 5-33 — EXXON-BOON HARDIN NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330' FWL SECTION 18E BLOCK _____

SURVEY T-18-S, R- COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. _____ TD 4720' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	222	225	Circ.*	18"**
9 5/8"	36#	2820	650	910*	12 1/4"**
7"	24#	4010	300	1910*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	OENS & SIZE
5-33	G-SA	4010-4720	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

1

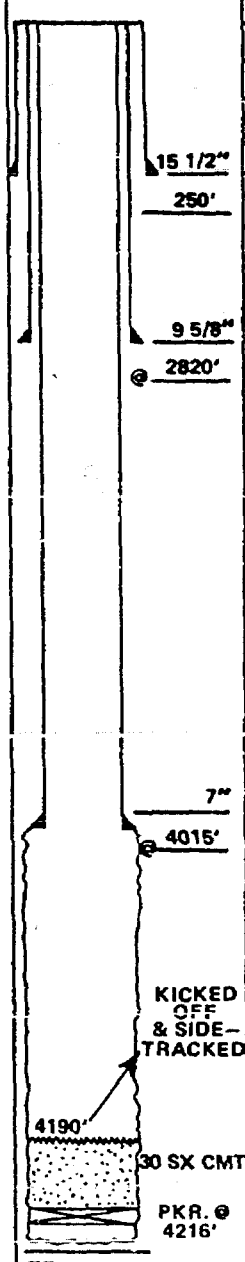
COMPLETION DATE 2-1-33 — BILL SWEET "B" NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 9-1-49 (P&A) — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 990' FEL — SECTION 20 P — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3645' — TD 4226' — PBTD 4190' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	250	225	Circ.*	18"**
9 5/8"	36#	2820	650	910*	12 1/4"**
7"	24#	4015	300	1915*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA

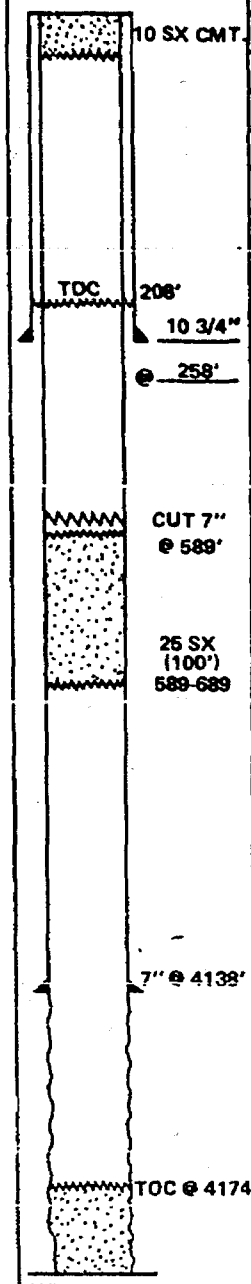
COMPLETION DATE 2-54 — BILL SWEET "B" NO. 3-A — COMPLETION INTERNAL: _____

P&A DATE 8-9-60 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 700' FEL — SECTION 20 P — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3647' [DF] G.L. ELEV. _____ TD 4230' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	258	150	Circ.	13 1/2"**
7"	20#	4138	600	522*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4072	-420e
GL	4159	-507e
I	4173	-521e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2-54	G-SA	4138-4230	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3-54	G, I	250 gal. AT	4136-70'		
		250 gal. AT	4170-80'		
		750 gal. 15% AT	4170-80'		
		5000 gal. 15% AT	4170-80'		2BOPH
		8000 gal. 20% AT	4170-80'		1BOPH
		100 gal. AT	4207-30'		100% wtr.

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-23-78 KL

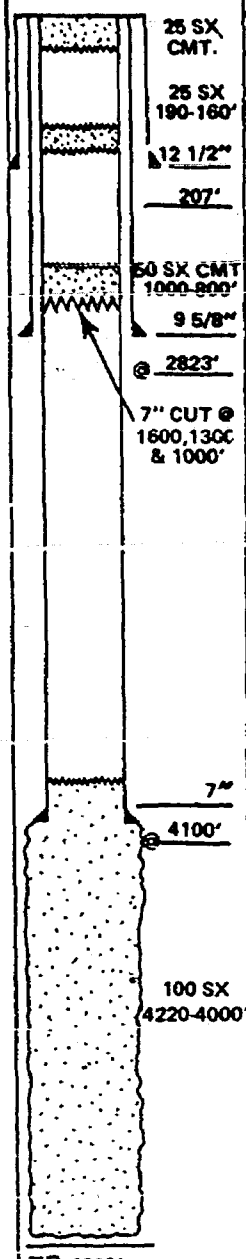
COMPLETION DATE 11-30 — EXXON "A" STATE NO. 3 — COMPLETION INTERNAL: _____

P&A DATE 3-18-47 — HOBBS (G-SA) UNIT

LOCATION 1980' FEL & 1980' FSL — SECTION 25J — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3667' [DF] G.L. ELEV. _____ TD 4220' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	207	250	Circ.*	14"**
9 5/8"	36#	2823	650	907*	12 1/4"**
7"	26#	4100	350	1660*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
BRB	1610	
T Salt	1750	
B Salt	2650	
Yates	2780	
Buff-lime	2900	
T Pay	4125	
GU	4047	-380e
GL	4141	-474e
I	4167	-500e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/30	G-SA	4100-4220	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: See attached for P&A info

DATE: 8-24-78 KLL

1

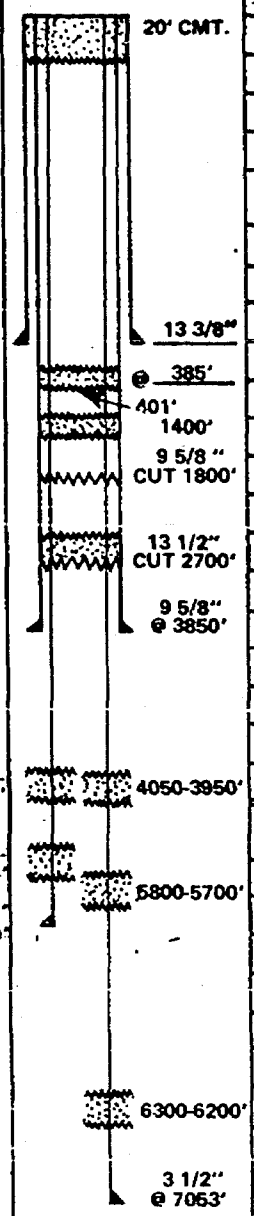
COMPLETION DATE 10-69 — EXXON "A" BOWERS NO. 32 — COMPLETION INTERNAL: P&A

P&A DATE 9-14-72 — HOBBS(G-SA) UNIT

LOCATION 330' FSL & 1980' FEL — SECTION 30 — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3658' [DF] G.L. ELEV. 3646' TD 7075' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	385	400	*Circ.	17 1/2"
9 5/8"	36#	3850	550	*610	11"
3 1/2"	7.7#	6140	895	*5620	8 3/4"
3 1/2"	7.7#	7053			8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3918	-260
GL	4032	-374
I	4048	-390
II	4106	-448
IIIU	4168	-510
IIIL	4274	-616
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/69	Blnbry	*5940-54'	1 SPF
9/69	Drnkrd	*6974-82'	1 SPF
9/69		5725-76'	
10/69		5813,87-91'	
12/69		6974-82'	1 SPF
		5825-29,56-60,72-76	
		5887-91 SQUEEZE & REPAIR 5895-5901'	

DATE	DEPTH	WORK DONE
9/69	6974-82	Sqz'd w/50 sx cmt.
9/69	5940-54	Sqz'd w/40 sx cmt.
10/69	5725-76	Sqz'd w/25 sx cmt.
10/69	5813	Sqz'd w/75 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/69	Blnbry	1500 gal. 15% NE AT	(5940-54')		46 BW
9/69	Drnkrd	9500 gal. 15% NE AT	(6974-82')		70 BW
9/69		5000 gal. AT 10x65 frac	(5725-76')		30 BW
10/69		500 gal. AT	(5887-96')		12 BW
12/69		2500 gal. AT	(6974-82')		1BO,74B
		5000 gal. AT	(5825-76')		
		500 gal. AT	(5887-5901')		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-24-78 K

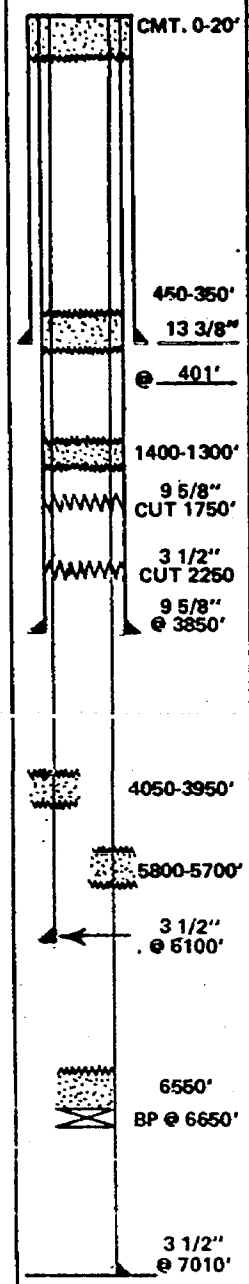
COMPLETION DATE 9-69 | EXXON "A" BOWERS NO. 34 | COMPLETION INTERNAL: P&A

P&A DATE 9-26-72 | HOBBS (G-SA) UNIT

LOCATION 1980' FSL & 2120' FEL SECTION 30J BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3661' [DF] G.L. ELEV. 3650' TD 7010' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	401'	400	150*	17"
9 5/8"	36#	3850'	550	3040*	12 1/4"
3 1/2"	7.7#	6100'	895	4144*	8 3/4"
3 1/2"	7.7	7010'			8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3904	-243
GL	4014	-353
I	4030	-369
II	4106	-445
IIIu	4178	-517
IIIL	4294	-633
Drnkrd	7100	
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/69		*5848,50,51,63,65,67,93,	1 JPF
10/69		98, 5900,05,07	
11/69		*6973-79, 6946-50, 6955-33	1 JPF
12/69		6718,66,69,98, 6832,53,	
12/69		6855,75, 6901-6912	
	Drnkrd	5822-28	1 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
10/69	5848/	Sqz'd w/44 sx cmt.
	5907	
12/69		B.P. @ 6650' w/25 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/69		2000 gal. AT	(6973-79')		75 BW
11/69		3000 gal. AT	(6973-79')		22BO, 78B
12/69		500 gal. AT	(6946-63')		
12/69		10,000 gal. AT	(6718-6912')		Dry
12/69		500 gal. AT	(5822-28")		158 BW

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Gas lifted

See attached for P&A procedure

DATE:8-24-78

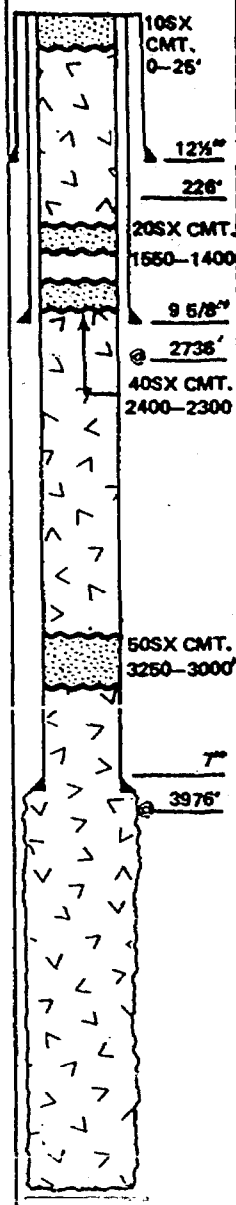
COMPLETION DATE 9/30 — EXXON USA BOWERS No. 9 — COMPLETION INTERNAL: _____

P&A DATE 1/2/62 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FWL — SECTION 29E — BLOCK _____

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

DATUM 3654' [DF] G.L. ELEV. _____ — TD 4200 — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	226	650	Circ.*	14"**
9 5/8"	36#	2736	650	351*	11 3/4"**
7"	26#	3976	300	825*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3976-4200	OH
	Bow/7Riv	3222-27	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

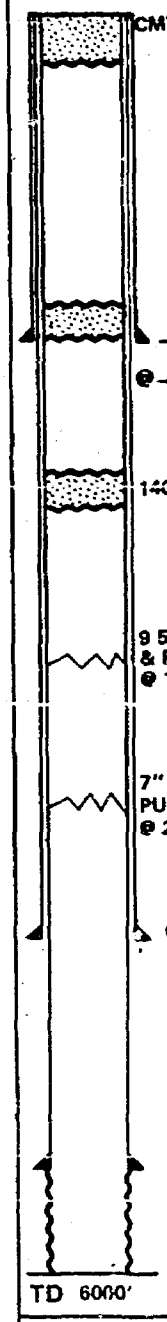
COMPLETION DATE 7-69 — EXXON USA BOWERS NO. 33 — COMPLETION INTERNAL: _____

P&A DATE 10-3-72 — HOBBS (G-SA) UNIT

LOCATION 800' FNL & 660' FWL SECTION 29D BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3657' [DF] G.L. ELEV. _____ TD 6000' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	416	400	Circ.*	17"
9 5/8"	36#	3850	550	3040*	12 1/4"**
7"	23#	5988	550	2672*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/69	Blnbry	5915-5953	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

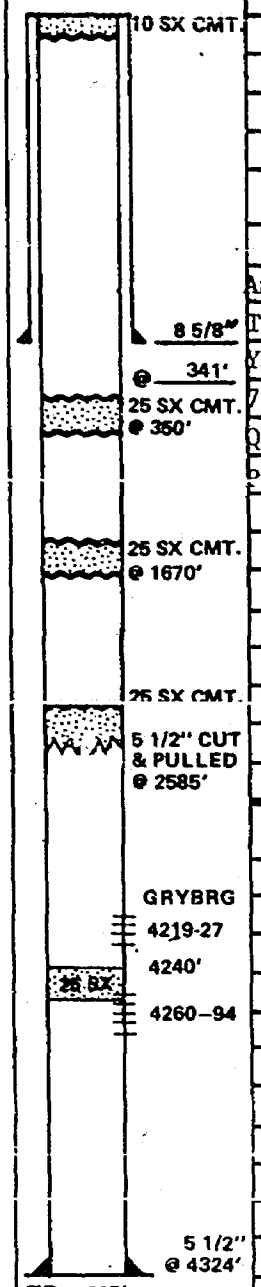
COMPLETION DATE 1-60 — GETTY STATE "B" NO. 3 — COMPLETION INTERNAL: _____

P&A DATE 8-27-60 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 2310' FWL — SECTION 14F — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3686' [DF] G.L. ELEV. _____ TD 4324' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	341	300	Circ.	11"
5 1/2"	15.5#	4324	600	1096*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1645	
Tansil	2717	
Yates	2867	
7 Riv	3142	
Queen	3700	
Penrose	3854	
GU	4300	-599
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/60	G-SA	4219-4232'	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/60	4218-32	Sqz'd w/195 sx sand

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/60	G	1500 gal. AT; 10x10 frac			
1/60	G	1000 gal. AT; 10x10 frac			
2/60	G	1000 gal. AT; 20x17.5 frac			
5/60	G	10x3.4 (walnut shells)	unable to rec. load		

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:12-78 KLL

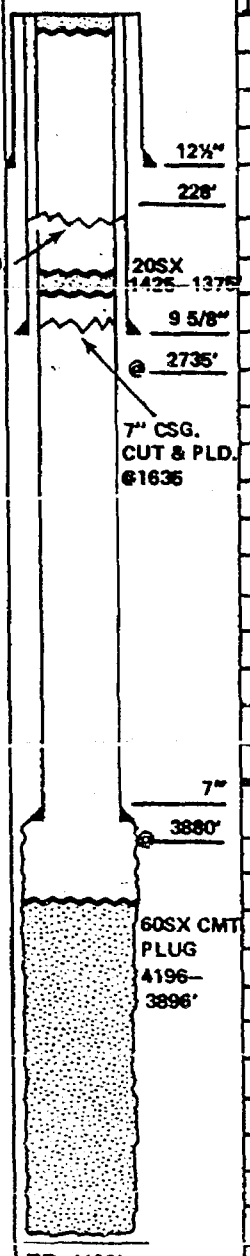
COMPLETION DATE 12/30 — GETTY GRIMES No. 5 — COMPLETION INTERNAL: _____

P&A DATE 6/29/50 — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FEL — SECTION 29H — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3647' — TD 4196' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	228	250	Circ.	14"**
9 5/8"	36#	2735	600	1173*	12¼"**
7"	24#	3880	400	1084*	8½"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3880-4196	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

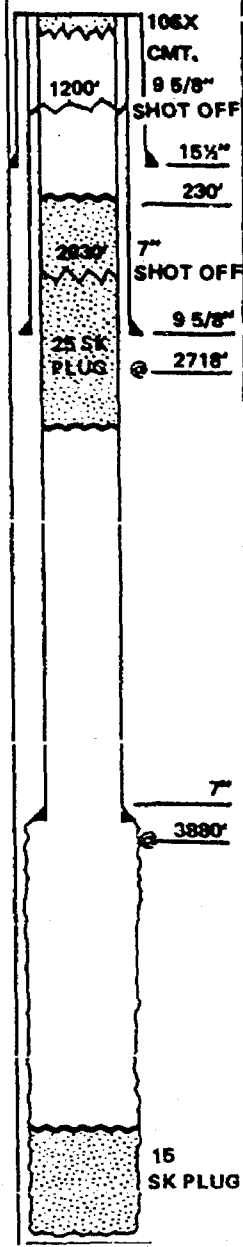
COMPLETION DATE 9/30 — GETTY GRIMES No. 2 — COMPLETION INTERNAL: _____

F&A DATE 7/3/51 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FEL — SECTION 29H — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3650' — TD 4175' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	230	200	Circ.*	18"
9 5/8"	36#	2718	600	954*	12 1/4"**
7"	24#	3880	300	1784*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3951	-299
GL	4052	-400
I	4062	-410
II	4128	-476
IIIu	4197	-545
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G-SA	3880-4175	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

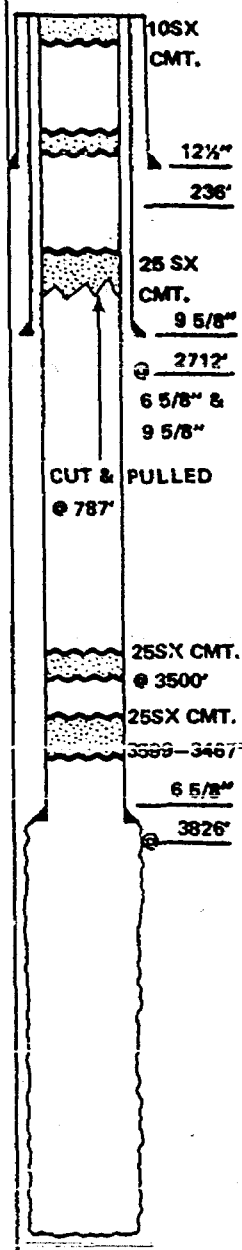
COMPLETION DATE 8/30 — GETTY GRIMES WO No. 1 — COMPLETION INTERNAL: _____

P&A DATE 7/25/68 — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 990' FEL SECTION 29I BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3650' TD 4160' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	236	200	Circ.*	14"
9 5/8"	36#	2712	600	948*	12 1/4"
6 5/8"	24#	3826	300	2098*	8 1/2"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
**			
**			
**			

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3895	-247
GL	3984	-336
I	3996	-348
II	4061	-413
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/30	G-SA	3826-4200	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

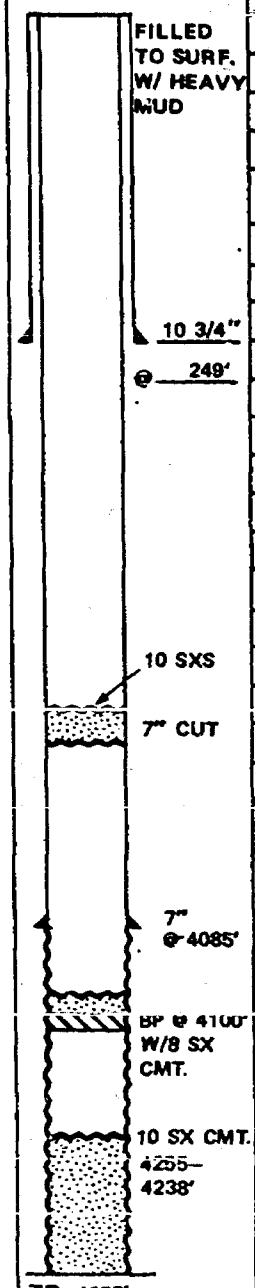
COMPLETION DATE 10/42 — GULF MORRIS NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10/27/43 — HOBBS (G-SA) UNIT

LOCATION 363' FNL & 2310' FEL — SECTION 21G — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. _____ TD 4255' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	249	155	Circ.*	12"
7"	24#	4085	450	941*	8 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/42	G-SA	4085-4255	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

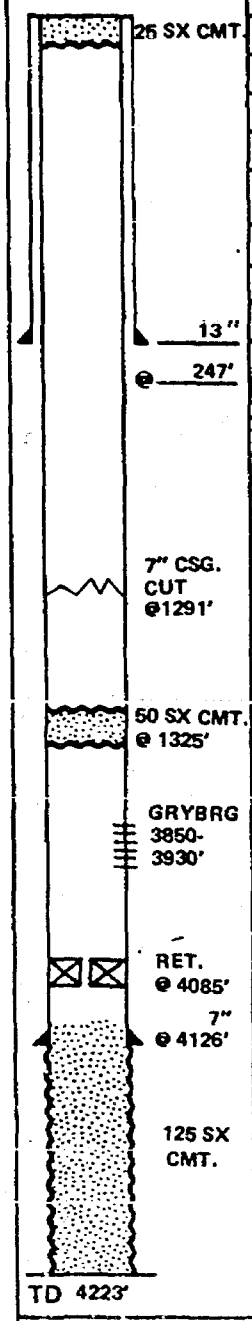
COMPLETION DATE 4-14-36 — GULF "C" GRIMES NO. 4 — COMPLETION INTERNAL: _____

P&A DATE 2-8-49 — HOBBS (G-SA) UNIT

LOCATION 1350' FSL & 1350' FWL — SECTION 21K — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3645' — TD 4225' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15"	40#	247	150	Circ.*	18"
7"	24#	4126	1300	Circ.*	9 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4106	-461
GL	4198	-553
I	4198	-553
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4126-4225	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/36	G	5000 gal.	AT		
4/36	G	3000 gal.	AT	77BOPH	146BOPH

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Gas lifted.

DATE: 8-23-78 KI

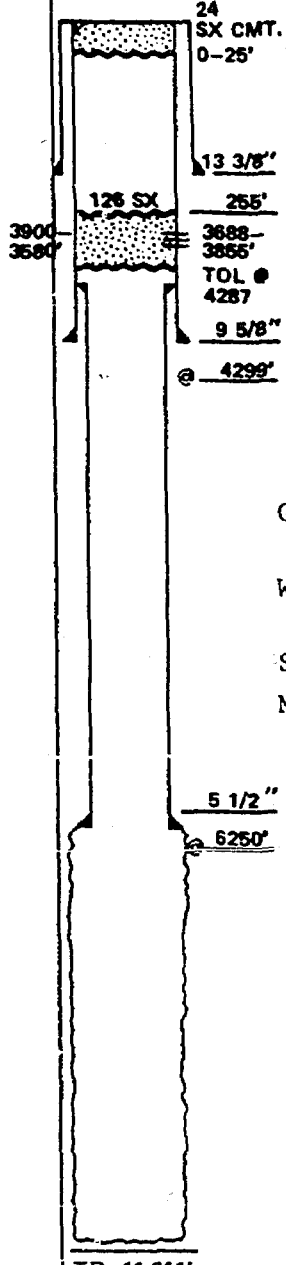
COMPLETION DATE _____ GULF-GERTRUDE MORRIS NO. 1 COMPLETION INTERNAL: _____

D&A DATE 1/11/57 HOBBS (G-SA) UNIT

LOCATION 1980' FNL & 1980' FEL SECTION 21G BLOCK _____

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

DATUM 3647 DF] G.L. ELEV. 3640' TD 11,211' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	255	300	Circ.*	17 1/2"
9 5/8"	36#	4299	2820	Circ.*	12 1/4"
5½"/nr.		4287/6250	500		

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1745	
Yates	2895	
Queen	3680	
Gu	4218	-571
I	4326	-679
II	4371	-724
Glorieta	5650	
Tubb	6762	
Woodford	8472	
Dev.	8612	
Silurian	9910	
Montoya	10,360	
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/56	Glorieta	*6153-81	4 1/2" JPF
11/56	II	*4474-95	4 1/2" JPF
11/56	G	*4250-80, 4287-4300	4 1/2" JPF
11/56	Queen	3688-3710, 3755-90, 3830-55	4 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/56	6153-81	Sqz'd w/51 SX cmt.
11/56	4474-95	Sqz'd w/72 SX cmt.
11/56	4250/4300	Sqz'd w/192 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/56	II	5000gal.	AT		
11/56	G	500 gal. 15%	AT		
11/56	G	1000 gal. 15% 10 X .7#/gal.	frac		
11/56	Queen	1000 gal. 15%; 5 X 5	frac		

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/22/78KLL

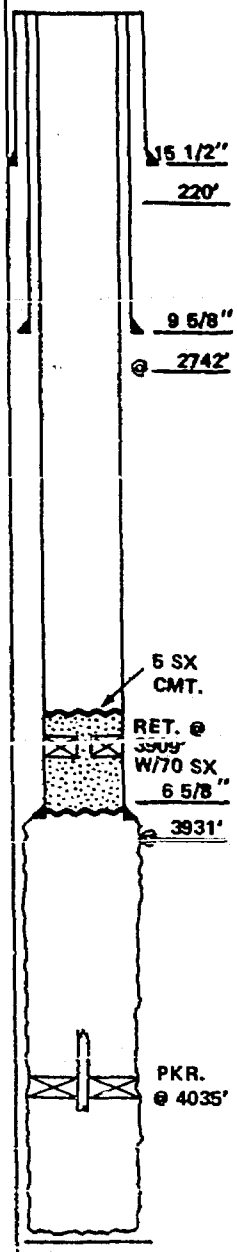
COMPLETION DATE 8-30 — GULF GRIMES "NCT-A" NO. 4 — COMPLETION INTERNAL: _____

P&A DATE 8-21-40 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 32C BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3640' TD 4153 PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	220	200	Circ.*	18"**
9 5/8"	36#	2742	600	930*	12 1/4"**
6 5/8"	24#	3931	400	1890*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3630-3700	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: Well recompleted to Byers zone 8/26/40.

DATE: 12-78 KLL

WR-31988

PROPOSED WELL NO. 36-211

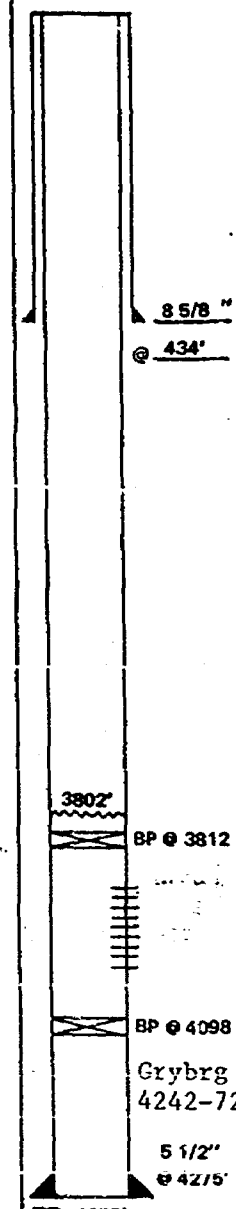
COMPLETION DATE 6-57 — GULF HOLT NCT-D NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1-75 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 36C BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3670' TD 4275' PBTD T.A. [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	434	325	Circ.	11"
5 1/2"	14#	4275	400	*2223	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1658	
Yates	2920	
Queen	3720	
Penrose	3870	
GU	4210	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/57	G	4242-72	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/70		CIBP @ 4098', capped w/1 sk.
		CIBP @ 3812' & capped w/1.5 sx cmt.
		to 3802

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	12,000 gal. AT; 10x10	frac (4242-72')		
2/63	G	1000 gal. 15% NE FE	AT	8BO,1BW	23BO,
					10BW
4/70	G	1000 gal. 15% NEA; sand			
		frac'd (3838-4034')			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KL

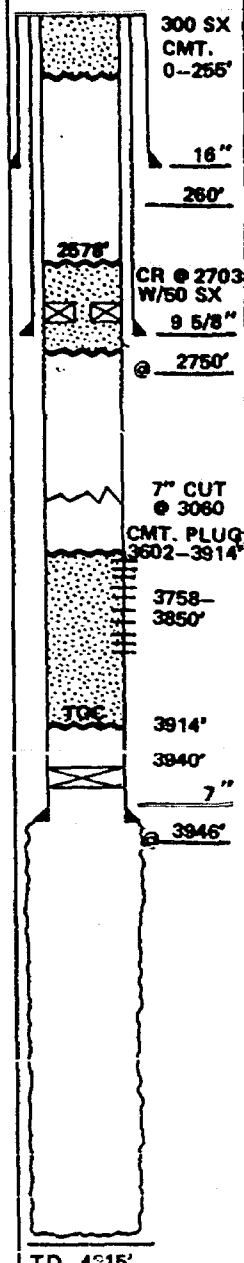
COMPLETION DATE 11/25/30 — MARATHON STATE NO. 4 — COMPLETION INTERNAL: 3758-3850'

RECOMPLETION DATE 1/25/57 (P&A) — HOBBS (G-SA) UNIT

LOCATION 330' FWL & 330' FSL — SECTION 30 M — BLOCK

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

DATUM 3662' [DF] G.L. ELEV. — TD 4215' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
16"	65.3#	260	225	Circ.*	18"**
9 5/8"	40#	2750	500	1280*	12¼"**
7"	24#	3946	350	1500*	8½"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
BRB	1540	
T.Salt	1672	
B.Salt	2628	
Buff Is.	2865	
Yates	2750	
Ector	3940	
Gu	3999	-342
GL	4136	-479
I	4152	-495
II	4215	-558e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/51	Byers	3758-70, 3785-97, 3810-25	4 JPF
		3840-50	
	G-SA	3946-4215	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/51	4086' 4146	PB w/4 SX cmt.
11/50	4146	PB w/45 SX cmt.
3/51	3940	CIBP w/TOC@ 3914'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/51		1000 gal. 15%	3980'-4081'		
11/50		3000 gal.	3978-4146		

OPT 3693 BO (1st prod.)

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/22/78KLL

Rev. 12/78 KLL

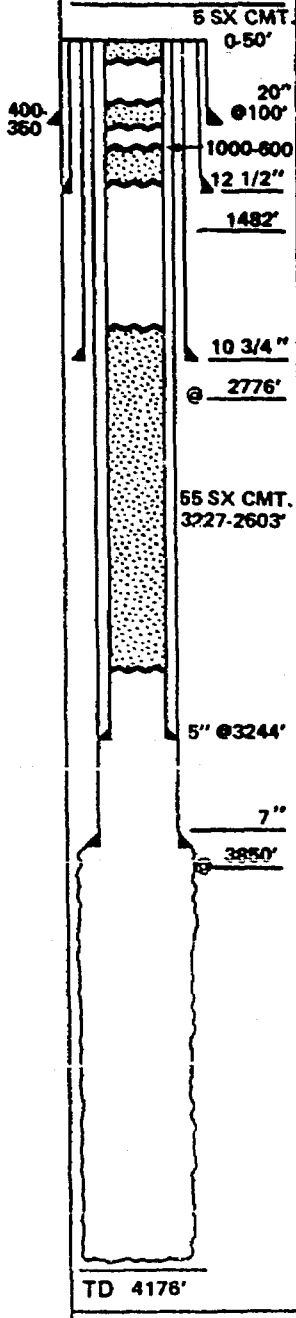
P&A DATE 7/21/58 — MARATHON STATE 32 NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2970' FNL & 1650' FEL — SECTION 32J — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3636' — TD 4176' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	1482	175	1264*	17"**
10 3/4"	41#	2776	200	2242*	13 1/2"**
7"	24#	3850	275	2192*	8 3/4"**
5"	15#	3244	500	178*	7"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	Bowers	3244-4176	
	G/SA-Bow.	3140-3203	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

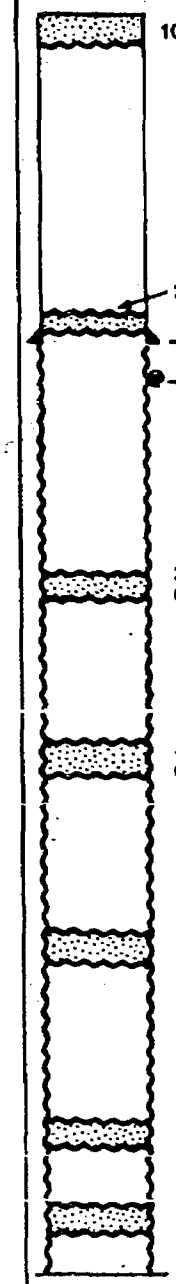
COMPLETION DATE 3-23-62 (P&A) — C.H. SWEET 'B' McKINLEY NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL — SECTION 20G — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3656' [DF] G.L. ELEV. _____ TD 6175' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	305	225	Circ.	12 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4113	-456e
GL	4201	-544e
I	4206	-549e
II	4267	-610e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-24-78 KL

D&A (G-SA)
COMPLETION DATE 8-62
RECOMPLETION DATE 2-19-63

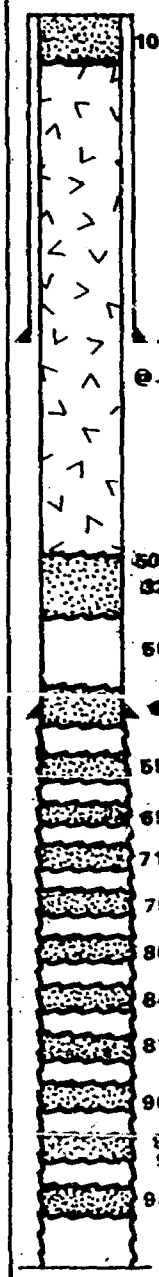
SHELL McKINLEY "A-18" NO. 1
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: _____

LOCATION 2310' FSL & 1650' FEL SECTION 19J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, NM

DATUM 3655' (DF) G.L. ELEV. _____ TD 9550' PBTD D&A (



CASING RECORD *CALCULATED AT 50% EFFICIENCY

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	351	350	Circ.*	17"
9 5/8"	36,40#	4498	2500	Circ.*	12 1/4

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	4498-9550	
	Bowers	3260-3301	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

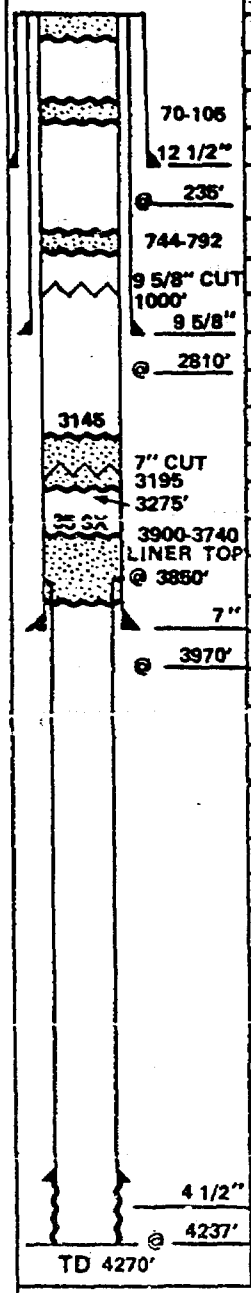
COMPLETION DATE 9/30 — SHELL McKINLEY "A" NO. 8 — COMPLETION INTERNAL: _____

P&A DATE 4/17/63 — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 1320' FEL — SECTION 19I — BLOCK _____

SURVEY T-18-S, R-38E — COUNTY Lea County, New Mexico

DATUM 3659' [DF] G.L. ELEV. _____ TD 4270' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50 #	235	300	Circ.*	17"**
9 5/8"	36 #	2810	600	1046*	12 1/4"**
7"	24 #	3970	225	2398*	8 1/2"**
4 ½"lnr.	11.6 #	3850/ 4237	70	3699*	6"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G-SA	3970-4210	
	G-SA	4237-4270	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

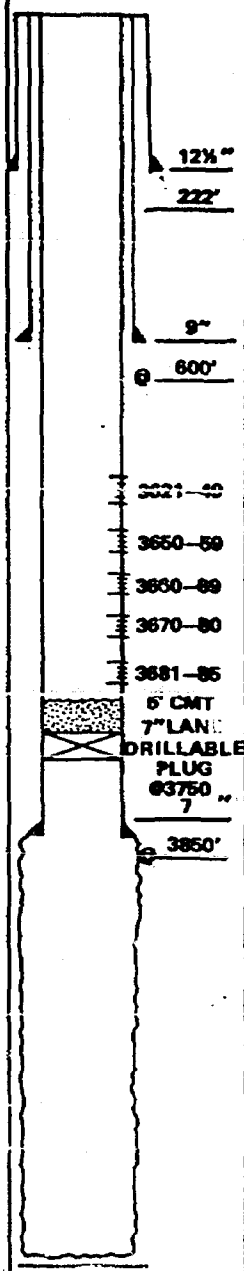
COMPLETION DATE 6-16-30 — SHELL ST. "A" # 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 8-20-41 — HOBBS (G/SA) FIELD

LOCATION 970' FNL & 330' FEL — SECTION 32 — BLOCK H

SURVEY T-18-S, R-38-E — COUNTY Lea

DATUM _____ [ ] G.L. ELEV. 3638 — TD 4175' — PBTD 3745' [ ]



CASING RECORD — *CALCULATED AT 50% EFFICIENCY

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	222'	135	15'*	16"**
9"	35#	2755'	600	1045'*	10 1/2"**
7"	24#	3850'	200	3062'*	8 3/8"**

*EST LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8-24	Bowers	3681-3685	5 - 9/16"
8-24	Bowers	3670-3680	16 - 9/16"
8-24	Bowers	3660-3669	11 - 9/16"
8-24	Bowers	3650-3659	8 - 9/16"
8-24	Bowers	3621-3649	15 - 9/16"

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: 11 SX Aquagel

DATE: 7-79 JRK

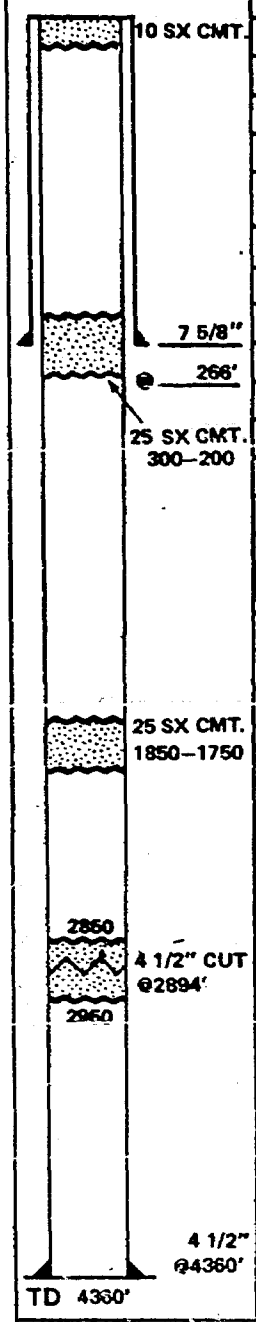
COMPLETION DATE D&A 1-62 — SHELL STATE "HG" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 3-30-62 — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330' FWL — SECTION 17D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3667' [DF] G.L. ELEV. _____ — TD 4360' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
7 5/8"	24#	266	230	Circ.	9 7/8"
4 1/2"	11.6#	4360	350	2074	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

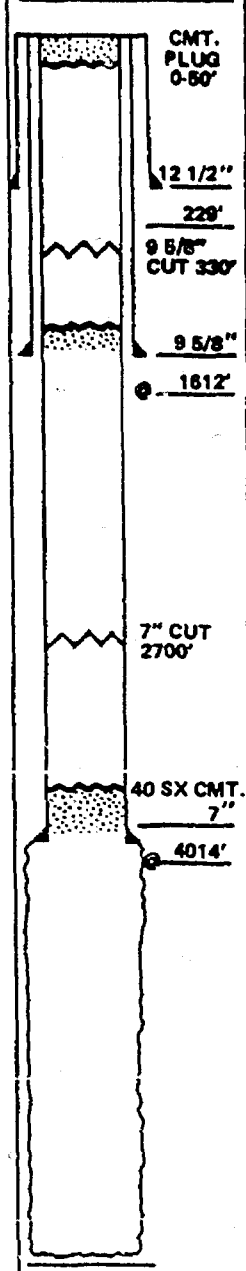
COMPLETION DATE 1-36 — SHELL STATE "E" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE ~~12/21/38~~ — HOBBS (G-SA) UNIT

LOCATION 4620' FNL & 330' FEL — SECTION 14P — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3686' [DF] G.L. ELEV. _____ TD 4180' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	229	150	45*	17"
9 5/8"	36#	1612	650	Circ.*	12"
7"	24#	4014	280	2326*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/36	G-SA	4014-4180	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: ~~12/78 KLL~~

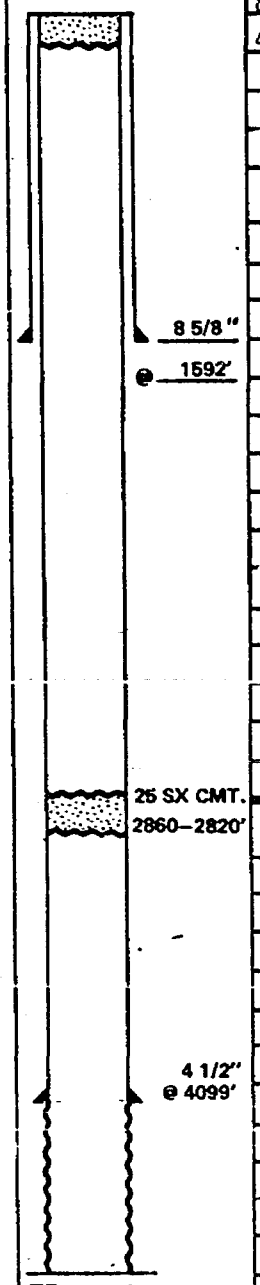
COMPLETION DATE 9/48 — SHELL STATE "F" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10/15/57 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 330' FEL — SECTION 23A — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3673' [DF] G.L. ELEV. _____ TD 4150' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	1592	525	Circ.*	11"
4 1/2"	9.5#	4099	130	3249*	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	4099-4122	
	Bower	3300-3350	
		2745-2860	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:12/78 KLL

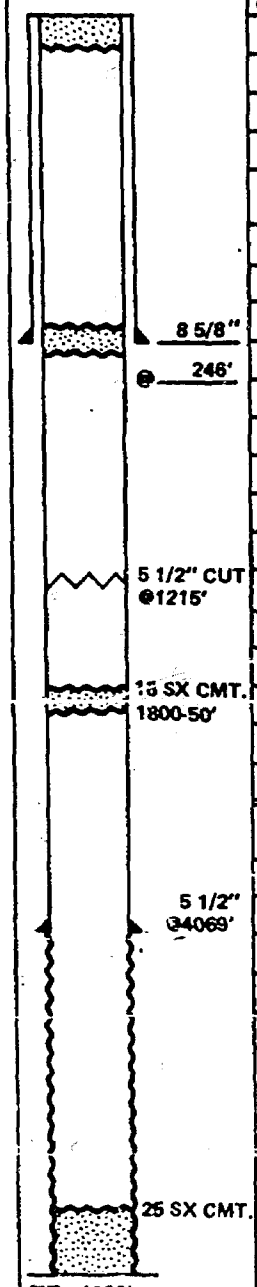
COMPLETION DATE 1/48 — SHELL SANGER NO. 1 (KING) — COMPLETION INTERNAL: _____

D&A DATE 1/48 — HOBBS (G-SA) UNIT

LOCATION 4637' FNL & 2638' FEL — SECTION 27 O — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3629' — TD 4286' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	246	200	Circ.*	11"
5 1/2"	14,17#	4069	350	2173*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/48	G-SA	4069-4286	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

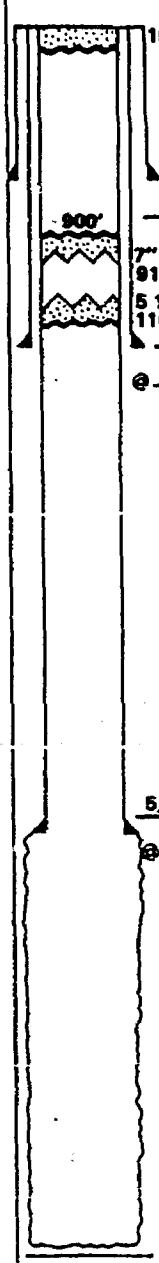
COMPLETION DATE 1-47 — SUN McKINLEY "B" NO. 1 — COMPLETION INTERNAL: ____

P&A DATE 2-15-47 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FWL — SECTION 20G — BLOCK ____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM ____ [ ] G.L. ELEV. 3651' — TD 8010' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	253	150	Circ.*	16"
7"	24#	4135	875	1130*	9 7/8"
5, 5 1/2"	18, 15.5#	7543	350	4489*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
		7543-8010	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE: 12-78 KLL

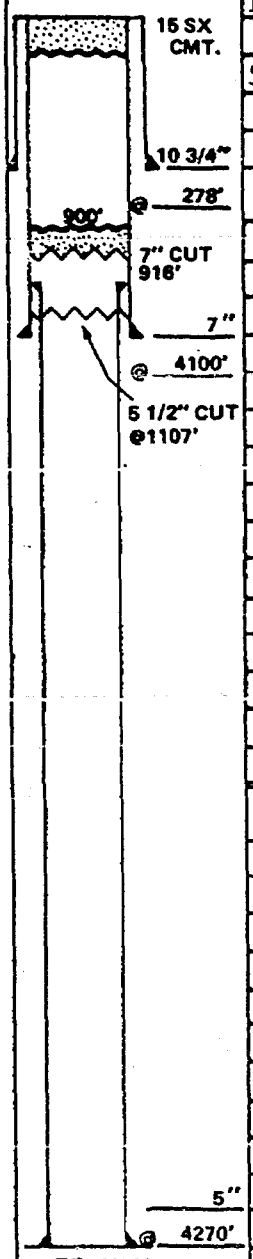
COMPLETION DATE 3-52 — SUN McKINLEY "B" NO. 1-A — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 1980' FEL SECTION 20G BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3655' TD 4270' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40.5#	278	125	Circ.*	13"
7"	20#	4100	350	1985*	8 3/4"
5"/nr.	15.5#	4050/4270	50	4050*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4147-90	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

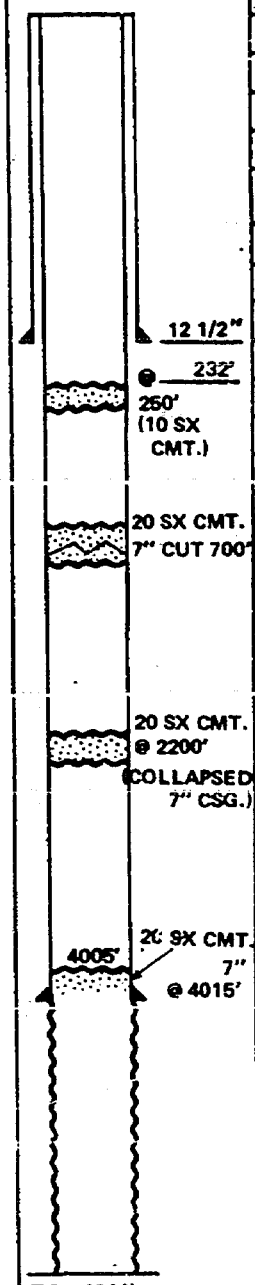
COMPLETION DATE 11-34 — C.H. SWEET-GRIMES NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 11-20-52 — HOBBS (G-SA) UNIT

LOCATION _____ SECTION 20I BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3647' TD 4244' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50 #	232	150	48*	17"**
7"	24 #	4015	550	699*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/34	G-SA	4015-4244	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

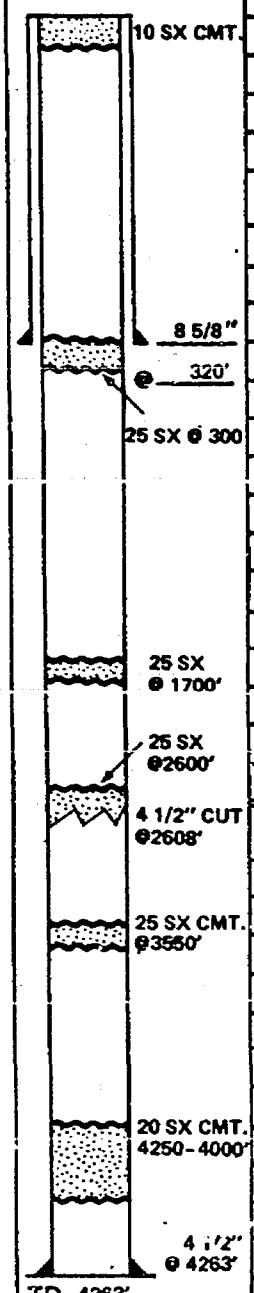
COMPLETION DATE 11/59 — WISER-GULF ST. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 6/18/65 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 1650' FEL — SECTION 26B — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3674' [DF] G.L. ELEV. _____ TD 4263' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	320	200	Circ.*	11"
4 1/2"	11.6#	4263	240	3321*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/59	G-SA	4000-4256	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

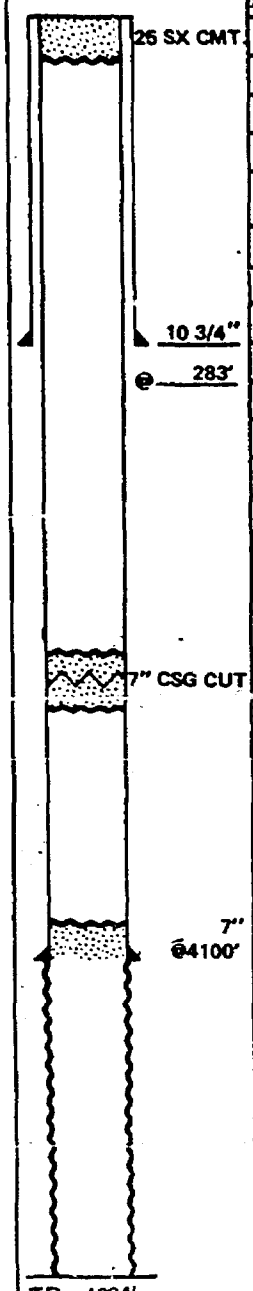
COMPLETION DATE 9-52 — ANTWEIL-MORRIS NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 11-52 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 330' FWL — SECTION 21E — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3457' [DF] G.L. ELEV. _____ TD 4294' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	283	150	55*	15"
7"	20#	4100	150	3196*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/52	G-SA	4100-4294	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLI

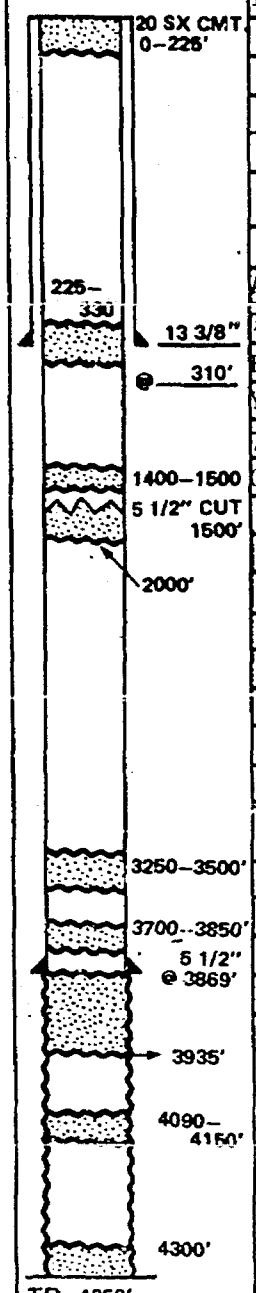
COMPLETION DATE 5-9-57 — CACTUS DRLG. PAN AM. NO. 1 — COMPLETION INTERNAL: P&A

P&A DATE 8-57 — HOBBS (G-SA) UNIT

LOCATION 355' FNL & 990' FWL — SECTION 26D — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3688' [DF] G.L. ELEV. — TD 4359' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	-	310	150	96 *	17 1/4"
5 1/2"	15.5#	3869	150	*3099	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1712	
T Salt	1810	
B Salt	2780	
Yates	2938	
7 Riv	3217	
Queen	3792	
G	4251	-563
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/57	G	3869-4359	OH
		3785-3807	
		3450-3595	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:8-23-78 KL

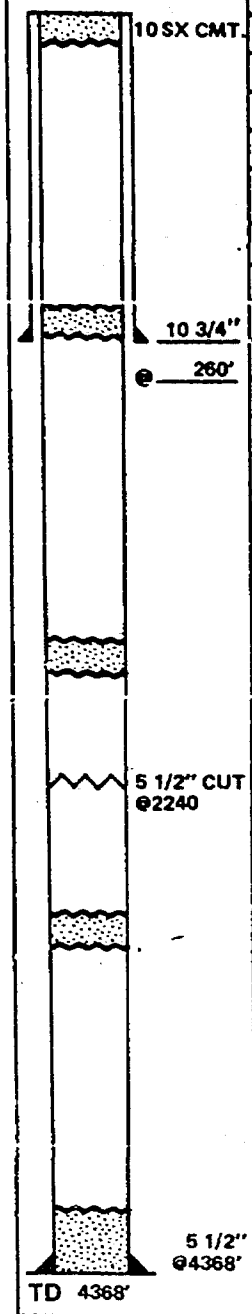
COMPLETION DATE 1/30/58 — R.D. COLLIER–PAN AM. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 6/13/58 — HOBBS (G–SA) UNIT

LOCATION 660' FSL & 660' FEL — SECTION 12P — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3680' [DF] — G.L. ELEV. _____ — TD 4368' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	24#	260	100	Circ.	15"**
5 1/2"	17#	4368	300	2828*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	OENS & SIZE
1/58	G-SA	4291-4350	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

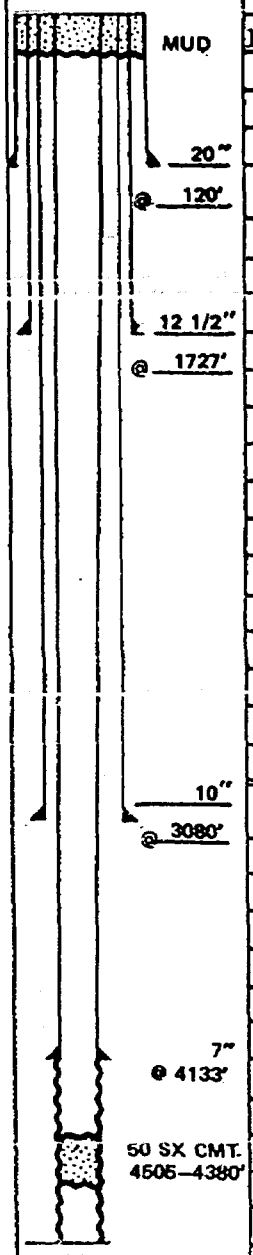
COMPLETION DATE 8/30 — LANDRETH PROD-STATE NO. 1-A — COMPLETION INTERNAL: _____

P&A DATE 8/7/31 — HOBBS (G-SA) UNIT

LOCATION 440' FSL & 2200' FEL — SECTION 7 0 — BLOCK _____

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

DATUM 3674' [DF] G.L. ELEV. _____ — TD 4520' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
20"	90#	120			
12 1/2"	50#	1727	Information		
10"	40#	3080	not available.		
7"	24#	4133			

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: No other well records available.

DATE:

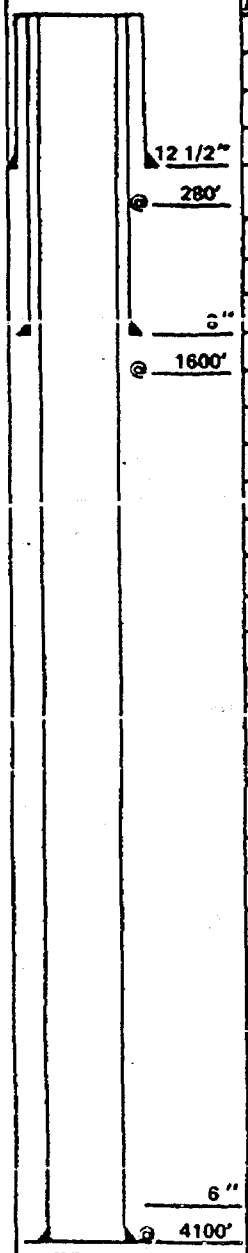
COMPLETION DATE _____ HOBBS HIGH INC-TATUMS NO. 1 COMPLETION INTERNAL: _____

P&A DATE 5/36 HOBBS (G-SA) UNIT

LOCATION 990' FSL & 330' FWL SECTION 35M BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3610' [DF] G.L. ELEV. _____ TD 4100' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"		280			
8"		1600	Information		
6"		4100	not available.		

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

CITY OF HOBBS

RESOLUTION NO. 2091

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE INDUSTRIAL WATER CONTRACT WITH SHELL OIL COMPANY

BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF HOBBS THAT:

The Mayor be and he is hereby authorized to execute on behalf of the City of Hobbs the original Industrial Water Contract between Shell Oil Company and the City of Hobbs dated June 1, 1978, effective upon execution of the Contract. A copy of the Contract is attached hereto and incorporated herein by reference.

INTRODUCED, PASSED AND APPROVED this 7 day of September, 1978.

Bill Mahorney
MAYOR

ATTEST:

Jan Ellington
CITY CLERK

PRESSURE MAINTENANCE PROJECT
EXHIBIT "12"

INDUSTRIAL WATER CONTRACT

DATED: JUNE 1, 1978

BETWEEN

SHELL OIL COMPANY

AND

CITY OF HOBBS

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AGREEMENT

This agreement made and entered into as of the 1st day of June, 1978, by and between the City of Hobbs, a municipal corporation, of Lea County, New Mexico, of the first part (hereinafter known as the City) and Shell Oil Company, a corporation, as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit, of the second part (hereinafter known as the Consumer).

WITNESSETH

WHEREAS, the City has constructed an Industrial Water Treatment Plant that produces an effluent of industrial process water from waste-water discharged into it from the Water Reclamation Facility and from the acquifer adjacent to the present Treatment Plants in Hobbs, New Mexico, and after such water is treated it is a desirable product for the Consumer which has a need for such water and can beneficially apply it to industrial usage.

NOW, THEREFORE, for and in consideration of the mutual covenants, promises and agreements herein contained and for other good and valuable consideration, the parties hereto agree as follows:

ARTICLE I

Definitions

Section 1. The term "day" as used in this agreement shall mean a period of twenty-four (24) consecutive hours beginning and ending at seven (7:00) o'clock A.M.

Section 2. The term "month" as used in this agreement shall mean the period beginning at seven o'clock (7:00) A.M. on the first day of a calendar month and ending at seven o'clock (7:00) A.M. on the first day of the next succeeding calendar month.

Section 3. The term "year" as used in this agreement shall mean the period beginning at seven o'clock (7:00) A.M. on the first day of a month and ending at seven o'clock (7:00) A.M. on the first day of the same month of the next succeeding year.

Section 4. The term "barrel" shall mean a volume equivalent to 42 U.S. gallons.

ARTICLE II

Commencement of Deliveries

The City shall have its facilities ready to deliver industrial water to Consumer October 1, 1979 or as the necessary government permits are acquired. Consumer shall begin payments no later than January 1, 1980.

ARTICLE III

Delivery Point and Pressure

Consumer shall provide, construct and maintain all equipment, pipeline and facilities necessary to receive the industrial water at a point in the northwest corner of the City's property on the existing fourteen (14) inch pipeline at a mutually agreeable point. Pressure at the point of delivery is not guaranteed.

ARTICLE IV

Quantity

Section 1. Subject to other articles of this agreement, the minimum quantity of industrial water to be delivered and received under this contract, designated as "annual contract quantity", shall be as listed.

Minimum Annual Contract Quantity:

Minimum Annual Contract Quantity:

Contract Year	Contract Quantity (Barrels)
1	18,250,000

Optional Minimum Annual Contract Quantity:

Contract Year	Contract Quantity (Barrels)
2	18,250,000
3	17,520,000
4	17,160,000
5	16,790,000
6	16,430,000
7	12,050,000
8	10,950,000
9	10,950,000
10	7,300,000
11	5,480,000

Optional Minimum Annual Contract Quantity (Continued)

Contract Year	Contract Quantity (Barrels)
12	5,480,000
13	3,650,000
14	3,650,000
15	3,650,000
16	3,650,000
17	3,650,000
18	3,650,000
19	3,650,000
20	3,650,000

Section 2. The Consumer shall not be required to take a continuous equal daily flow of industrial water and the City will not be required to produce a daily minimum quantity of industrial water provided the minimum quantity available for delivery during each monthly period will equal the amount of water that the Consumer covenants to purchase. Unless the City is provided with a tentative schedule of water demand by the Consumer, and acceptable to both parties, it will be assumed that monthly demand will be 1/12 of annual contract quantity.

Section 3. The Consumer shall have the first call on any quantity in excess of contract amounts of industrial water, at the existing contract price, that the City has available for sale, excepting such amounts as may be committed by contracts with other consumers and excepting such excess quantities as may be delivered under contracts heretofore entered into with other consumers.

Section 4. It is appreciated by both parties to this agreement that mechanical failures are possible and that production and delivery problems may be encountered by the Consumer in its pipeline system or injection wells and each agrees to cooperate with the other in efforts to remedy any system failures.

ARTICLE V

Quality

The City will provide industrial processed water with the following minimum quality standards.

Parameter	Maximum Concentration
CL_2	0.5 Mg/L
SS	25 ppm
Particle Size	25 Microns

ARTICLE VI

Metering

Consumer, at its sole cost, risk and expense shall install and maintain at the point of delivery on the City's property a flow meter of sufficient size and type to measure the contracted quantities of industrial water. Readings shall be taken daily by the City and will be available to the Consumer at its request. These readings will be used to compute the quantity for the billing period.

If for any reason, any of the measuring equipment is out of service, or out of repair, so that the volume of industrial water purchased can not be ascertained or computed from readings thereof, the volume of industrial water purchased during the period such equipment is out of service or repair shall be estimated and agreed upon by the parties hereto on the basis of the best data available.

ARTICLE VII

Price

Section 1. The City will sell and the Consumer will purchase the industrial water quantities indicated in Article IV based on a minimum monthly rate of one-twelfth (1/12) the annual quantity and a price of one and one-half cents (1-1/2¢) per barrel.

Section 2. So long as the Consumer is not in default, any minimum quantity of industrial water paid for but not taken in any monthly period may be accumulated and taken in any succeeding monthly period during the term of the contract at no additional cost to the Consumer, provided, that the City will not be required to produce such industrial water over and above its normal operating capacity to meet such accumulated demand.

Section 3. The City should have available for consumption at the point of discharge into Consumer's facilities, an amount of water equal to the quantity the Consumer agrees to purchase monthly. Any failure of the City to produce and have available such quantity of industrial water during any monthly period shall excuse the Consumer from its covenant to pay the minimum monthly charge for that month, the Consumer being liable only for the quantity consumed.

Section 4. Subject to all other provisions in this Article, Consumer shall pay, or cause to be paid, all taxes that may be appropriate from this sale.

ARTICLE VIII

Term

Section 1. The Consumer shall purchase the mentioned minimum quantities of industrial processed water for a minimum period commencing when Consumer is ready to receive such water, but not later than the date indicated in Article II, and ending December 31, 1980.

Section 2. The Consumer shall have, and the City hereby grants to the Consumer, the right at its option, at any time prior to six (6) months before the expiration of the agreement, to renew and extend this agreement for an additional term of two (2) years or more, and for successive such terms thereafter. In case the Consumer elects to renew and extend this agreement it shall signify its election by written notice mailed to the Hobbs City Manager within the time above limited. All terms, conditions and covenants contained in this agreement shall be applicable to such extensions, excepting that the annual contract quantity may be adjusted downward by Consumer and excepting that the price per barrel of water may be adjusted upward or downward based on any increase or decrease in operational costs or capital investment to supply such water. For purposes of such price adjustment, only such direct operational costs and capital investments as are necessary for production and availability of industrial water at the City's Industrial Water Treatment Plant shall be considered, and only a prorata portion of such costs and investments based on the total quantities of water produced and available (whether or not sold) at said

plant shall be attributed to water sold under this agreement. Consumer shall have a minimum of ninety (90) days notice and be supplied all records and/or design and economic data pertinent to increases in operational costs and additional capital investments and full information as to the total quantities of water produced and available at the plant.

Section 3. If the Consumer should not use the minimum contracted quantities of industrial water in the initial contract period ending December 31, 1980, or in any subsequent contract period, the unused portion will be carried into the next succeeding contract period with the Consumer paying the excess of the current unit (per barrel) price over the previous contract price and using this quantity of industrial water as a credit against the minimum annual contract quantity during the current contract period, with such credit quantity being distributed equally over the number of months involved in the current contract period.

ARTICLE IX

Payment

The Consumer shall pay monthly, within thirty (30) days of billing, for the quantity of industrial processed water consumed during the calendar month; however, at no time shall the cummulative amount paid be a smaller fraction of the total year's contract price than the fraction of the year which has expired. Consumer, at its request, may make monthly payments of 1/12 minimum annual quantities with a six-month adjustment period.

ARTICLE X

Force Majeure

Section 1. The term "force majeure" as employed herein shall mean Act of God, strikes, lockouts, or other industrial disturbances, act of the public enemy, wars, blockades, insurrections, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, washouts, arrests and restraints, and orders of the government, either Federal or State, civil or military, civil disturbances, explosions, sabotage, malicious mischief, breakage or accident to machinery or lines of pipe, freezing of wells or lines of pipe, temporary failure of water supply, temporary or permanent plugging of injection wells, inability of any party hereto to obtain

necessary materials, supplies or permits due to existing or future rules, regulations, orders, laws or proclamations of governmental authorities (both Federal and State), including both civil and military, and any other causes, whether of the kind herein enumerated or otherwise, not reasonably within the control of the party claiming suspension of obligations by reason of force majeure.

Section 2. It is understood and agreed that the settlement of strikes or other labor difficulties shall be entirely within the discretion of the party having the difficulty and that any requirement that force majeure shall be remedied with all reasonable dispatch shall not require the settlement of labor difficulties by acceding to the demands of the opposing party when such course is inadvisable in the discretion of the party having the difficulty.

Section 3. In the event either party hereto is rendered unable, wholly or in part, by force majeure to carry out its obligations under this contract, it is agreed that such party shall give notice and full particulars of such force majeure in writing or by telegraph to the other party; thereupon, the obligations of the party giving the notice, so far as they are affected by force majeure, shall be suspended during, but no longer than, the continuance of the force majeure. The affected party shall use all reasonable means to remedy the force majeure, if possible, with all reasonable dispatch.

Section 4. It is specifically agreed that in the event Consumer is at any time rendered unable, by reason of any action or inaction by Federal or State governmental authorities or other force majeure, to inject into the North Hobbs (Grayburg-San Andres) Unit during any month a quantity of water equal to 1/12 of the current minimum annual contract quantity, such minimum annual contract quantity shall be reduced for the current year by the number of barrels Consumer is unable to inject during each such month. It is further agreed that if such disability continues for any period of six (6) consecutive months or more, Consumer shall have the right, at its option, to terminate this agreement effective upon written notice to the City thereof.

ARTICLE XI

Defaults

Section 1. It is covenanted and agreed that if either party hereto shall fail to perform any of the covenants or obligations imposed upon it under and by virtue of this contract, then in such event the other party hereto may, at its option, terminate this contract by proceeding as hereinafter provided.

Section 2. The party not in default shall cause a written notice to be served on the party in default stating specifically the cause for terminating this contract and declaring it to be the intention of the party giving the notice to terminate the same; whereupon, the party in default shall have thirty (30) days after the service of the aforesaid notice in which to remedy or remove the cause or causes stated in the notice for terminating the contract, and if within said period of thirty (30) days the party in default does so remedy or remove said cause, then such notice shall be withdrawn and this contract shall continue in full force and effect. In case the party in default does not so remedy or remove the cause or causes or does not indemnify the party giving the notice for any and all consequences of such breach, within said period of thirty (30) days, then, at the option of the party giving the notice, this contract shall become null and void from and after the expiration of said period.

Section 3. Any cancellation of this contract pursuant to the provisions of this Article XI shall be without prejudice to the right of the City to collect any amounts then due from the Consumer for industrial water delivered prior to the time of cancellation and shall be without prejudice to the right of the Consumer to receive any industrial water for which it has paid but has not received, although entitled thereto, prior to the time of cancellation, and without waiver of any remedy to which the party not in default may be entitled for violation of this contract.

ARTICLE XII

Miscellaneous

Section 1. Each party shall hold the other party harmless from any and all damages and claims that may arise by reason of any negligence

on the part of the indemnifying party, its agents or employees, in going about the premises in performance of this agreement; and in case any action is brought against such other party for any acts solely involving the employees or agents of the indemnifying party, the indemnifying party shall assume full responsibility for the defense thereof.

Section 2. Neither party to this agreement shall assign this agreement in whole or in part without the written consent of the other, provided that Consumer's rights and obligations hereunder may at any time be formally assigned and transferred to the current operator of the North Hobbs (Grayburg-San Andres) Unit.

Section 3. This agreement is executed by Shell Oil Company as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit, in Lea County, New Mexico, acting for and on behalf of the unit working interest owners. It is hereby agreed that unless on or before January 1, 1980, (a) said unit has become effective, (b) this agreement has been approved by said working interest owners and (c) all necessary rights of way have been obtained by the unit, this agreement shall then terminate and be of no further force or effect unless otherwise mutually agreed by the parties hereto. If it should appear to Consumer at any time substantially in advance of said date that said conditions will not be met, Consumer shall notify the City thereof and if requested by the City, this agreement shall then be terminated by mutual agreement of the parties.

Section 4. All notices required under this agreement shall be considered as given when deposited in the U. S. Mail with sufficient postage thereon and addressed as follows:

CITY MANAGER
CITY OF HOBBS
P. O. BOX 1117
HOBBS, NEW MEXICO 88240

SHELL OIL COMPANY
P. O. BOX 991
HOUSTON, TEXAS 77001

IN WITNESS WHEREOF, the parties hereto execute this agreement as of the day and year first above written.

CITY OF HOBBS
A Municipal Corporation

By: _____
MAYOR

Approved as to form:

_____
CITY ATTORNEY

ATTEST:

_____
CITY CLERK

SHELL OIL COMPANY, a corporation, as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit

By: _____
R. L. Howard
Division Production Manager
Mid-Continent Division

PROPOSED

SPECIAL RULES AND REGULATIONS
FOR THE
NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
PRESSURE MAINTENANCE PROJECT

RULE 1. The project area of the North Hobbs (Grayburg-San Andres) Unit Pressure Maintenance Project shall consist of those basic project areas which are those proration units within the boundaries of the North Hobbs (Grayburg-San Andres) Unit upon which is located an injection well and any directly or diagonally offsetting proration unit which contains a producing well.

RULE 2. The project area shall receive a project area allowable, and said project area allowable shall be the sum of the basic project area allowable plus the water injection credit allowable.

RULE 3. The basic project area allowable shall be equal to 80 barrels of oil per day times the number of developed 40-acre proration units in the project area.

RULE 4. The water injection credit allowable shall be based upon the following formula:

$$\text{Water Injection Credit Allowable} = \left[\frac{\text{Net Water Injected}}{\text{Basic Project Area Allowable} \times \text{Reservoir Voidage}} - 1 \right] \times \text{Basic Project Area Allowable}$$

The water injection credit allowable shall be calculated in accordance with the procedures and parameters depicted on Attachments "A" and "B".

In no event shall the water injection credit allowable be less than zero, i.e., negative numbers derived from application of the above formula shall be ignored.

RULE 5. The weighted average project area reservoir pressure shall be determined prior to commencement of injection of water into the reservoir and at least annually thereafter.

RULE 6. The project area allowable may be produced from the wells within the project area in any proportion provided, however, that any proration unit situated on the boundary of the North Hobbs (Grayburg-San Andres) Unit which proration unit is not directly or diagonally offset by a Grayburg-San Andres injection well outside said North Hobbs Unit or on the North Hobbs Unit boundary shall not be permitted to produce in excess of 80 barrels of oil per day.

RULE 7. Those wells within the North Hobbs Unit Area that are not included within the project area as defined above shall be prorated in accordance with the Rules and Regulations of the Division.

RULE 8. The Division Director shall have authority to approve, without notice and hearing, the drilling of wells at unorthodox locations anywhere within the unit boundary, provided however, no unorthodox location

shall be closer than ten feet to any quarter-quarter section line, and provided further, that no such unorthodox location shall be closer than 330 feet to the outer boundary of the unit area, unless such well is covered by a lease-line agreement with the operator of the lands offsetting such well, and a copy of the lease-line agreement accompanies the application for such unorthodox location, or unless such offset operator has waived objection to the proposed unorthodox location in writing, and his waiver accompanies the application.

RULE 9. No well shall be placed on water injection in the North Hobbs Unit Area unless the Division Director has approved such well for injection. Applications for injection approval shall be filed in accordance with Rule 701 of the Division Rules and Regulations.

RULE 10. Each newly drilled injection or producing well shall be equipped as follows:

a. Minimum of 350 feet of surface casing and production casing run to total depth (approximately 4500 feet) or

b. Surface casing cemented below the "red beds" (approximately 1600 ft.) and "production" casing run to total depth (approximately 4500 feet) or

c. Other procedures may be used after receiving administrative approval of the Director of the Oil Conservation Division.

All casing strings shall be cemented to the surface except that in any well in which an intermediate casing string has been run and cemented to the surface, the "production" string may be cemented back into the base of the intermediate casing.

RULE 11. Injection shall be accomplished through tubing installed in a packer set within 100 feet of the uppermost perforation, or in case of an open hole completion, 100 feet above the casing shoe. The injection tubing shall be corrosion protected by a non-reactive internal lining or coating. The casing-tubing annulus in each injection well shall be filled with an inert fluid and a surface pressure gauge or approved leak detection device shall be attached to the annulus.

RULE 12. The injection wells or system shall be equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 0.2 psi per foot of depth to the injection zone. The Division Director may administratively authorize a pressure limitation in excess of the above upon showing by the unit operator that such higher pressure will not result in fracturing of the confining strata.

RULE 13. All wells within the project area shall be equipped with risers or in some other acceptable manner as to facilitate the periodic testing of the bradenhead for pressure or fluid production.

RULE 14. The unit operator shall immediately notify the Supervisor of the Hobbs District Office of the Division of the failure of the tubing or packer in any of said injection wells, the leakage of water or oil from or

around any producing well, the leakage of water or oil from or around any plugged and abandoned well within the project area, or any other evidence of fluid migration from the injection zone, and shall take such timely steps as may be necessary or required to correct such failure or leakage.

RULE 15. Prior to placing any well on injection, other than a newly drilled well drilled under provision of Rule 9, a cement bond log shall be run on said well. Copies of all cement bond logs shall be sent to the Hobbs District Office of the Division. If any well is found to have an inadequate casing-cement bond, such measures as may be necessary to prevent leakage or migration of fluids from the Grayburg-San Andres reservoir shall be taken before placing the well on injection.

Where multiple casing strings prevent technical interpretation of bonding, the cement bond will be deemed adequate when the log shows acoustic coupling with the formation. In addition, radioactive tracer surveys, or any other acceptable survey presently available or developed in the future, that show no fluid migration out of the Grayburg-San Andres reservoir will be acceptable evidence of bonding.

NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
PRESSURE MAINTENANCE PROJECT

HOBBS (GRAYBURG-SAN ANDRES) POOL, LEA COUNTY, NEW MEXICO

WATER INJECTION CREDIT ALLOWABLE CALCULATION DATA

$$\text{Water Injection Credit Allowable} = \left[\frac{W_i - W_p}{BPAA \quad B_o + \frac{(R_p - R_s)}{(1{,}000)} B_g} - 1 \right] \times BPAA$$

W_i = _____ = Average daily water injection during previous month, barrels per day, project area only.

W_p = _____ = Average daily water produced during previous month, barrels per day, project area only.

BPAA = _____ = Basic project area allowable, 80 bopd x _____ (number of developed 40-acre tracts in project area).

p = _____ = Weighted average project area reservoir pressure, psig, from _____, 19__, survey data.

B_o = _____ = Oil formation volume factor, reservoir barrels per stock tank barrel (Attachment B).

R_p = _____ = Producing gas-oil ratio, cubic feet per barrel for previous month.

R_s = _____ = Solution gas-oil ratio, cubic feet per barrel (Attachment B).

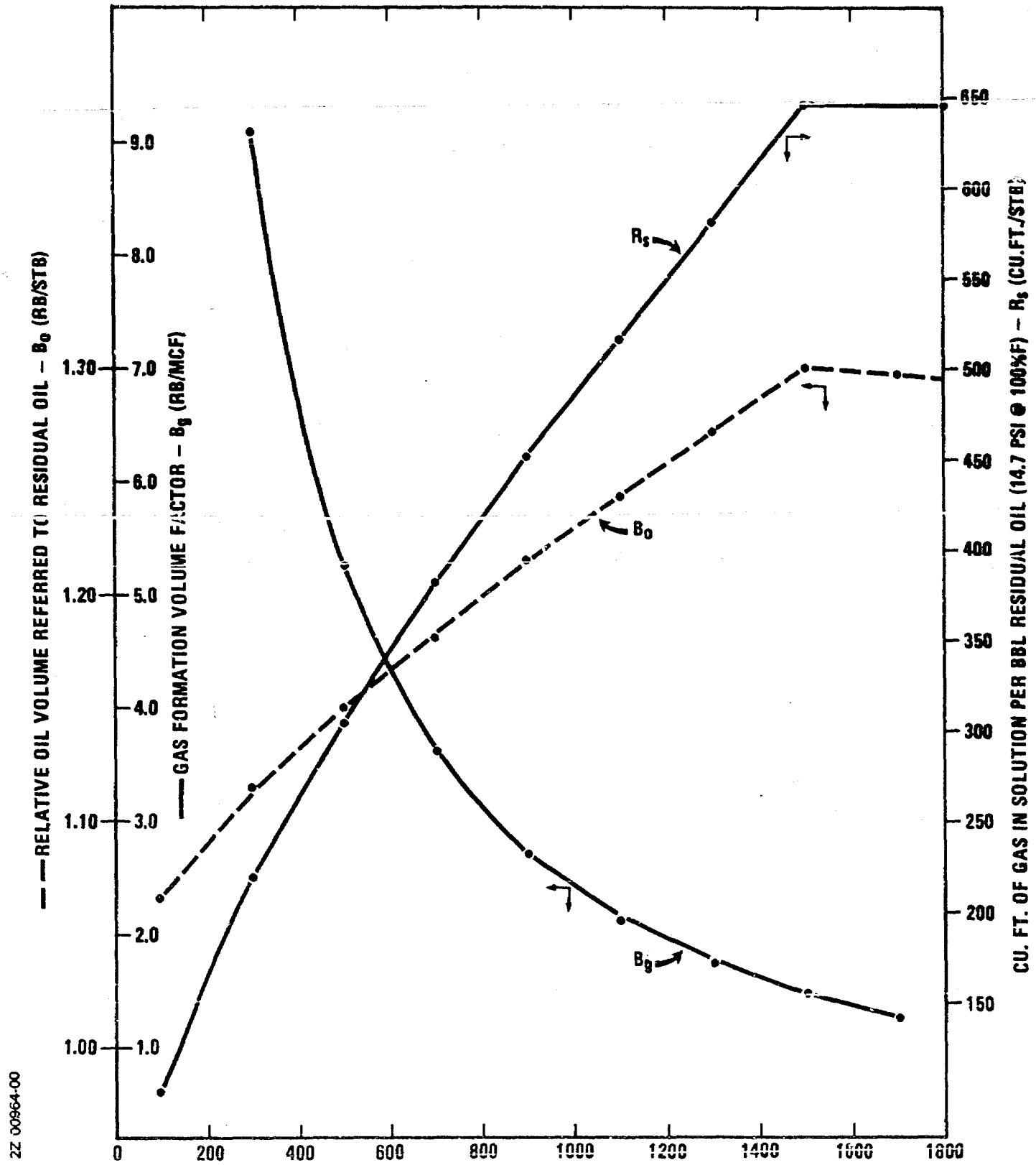
B_g = _____ = Gas formation volume factor, reservoir barrels per Mcf (Attachment B).

Water injection credit allowable for _____, 19__, = _____ barrels of oil per day.

ATTACHMENT A

OIL (B_o) AND GAS (B_g) FORMATION VOLUME FACTORS
AND GAS SOLUBILITY VS RESERVOIR PRESSURE

GRAYBURG–SAN ANDRES RESERVOIR
HOBBS FIELD
LEA COUNTY, NEW MEXICO



ATTACHMENT B

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion Date
32B	Amerada Hess - "A" State #4 660' FNL & 2130' FEL	3654' GL	6000	5990	11 3/4" 8 5/8" 5 1/2" Lnr.	31# 24# 15.5#	340 3810 3695/5998	300 SX 590 SX 325 SX	Circ.* 1700* 3695	15" 11" 7 7/8"	5312-5966 (Blinebry)	06-69	
22A	Amerada Hess - "A" State #5 660' FNL & 660' FEL	3660' DF	6054	6034	11 3/4" 8 5/8" 5 1/2" & 7" Lnr.	31# 32# 23, 15.5#	381 3798 3701/6998	230 SX 390 SX 351 SX	Circ.* 2404* 3701*	15" 11" 7 7/8"	5905-5957 (Blinebry) 6674-6936 (Drinkard)	07-69	
29F	Amerada Hess - "B" Hobbs St. #1 1310 FNL & 1650 FWL	3655' DF	7015	7061	9 5/8" 7" 4 1/2"	36# 23# 9.5#	358 3850 7015	200 SX 350 SX 425 SX	Circ.* 2104* 5223*	12 1/4"** 8 1/2"** 6 1/4"**	6705-7030 (Drinkard)	01-71	
29G	Amerada Hess - "B" Hobbs St. #2 2310' FNL & 1650' FEL	3654' DF	7050	7032	12 3/4" 8 5/8" 5 1/2"	50# 24# 15.5#	356 3795 7050	400 SX 300 SX 475 SX	Circ.* 2723* 4614*	15"** 11"** 7 7/8"**	6680-6992 (Drinkard)	10-10	
33C	Amoco - "C" State #5 1980' FNL & 660' FWL	3657' KB	7040		13 3/8" 9 5/8" 7"	48# 36# 26#	425 3958 7040	400 SX 550 SX 700 SX	Circ.* 2340* 2820*	17 1/2" 12 1/4" 8 5/8"	5856-5951 (Blinebry) 6829-6933 (Drinkard)	10-69	09-71
33F	Amoco - "C" State #6 1980' FNL & 1650 FWL	3660' DF	6009'	5972'	11 3/4" 8 5/8" 5 1/2"	42# 32# 14#	420 3752 6009	540 SX 370 SX 400 SX	Circ. 2430* 3910*	15 1/2" 11" 7 7/8"	5930-5962 (Blinebry)		
29O	Chevron - "A" State #5 330' FSL & 2218' FEL	3653' DF	7025		11 3/4" 8 5/8" 5 1/2" Lnr.	42# 32# 20#	364 3808 3578/7022	370 SX 300 SX 530 SX	Circ. 2736* 4302*	15" 11" 7 7/8"	5918-5968 (Blinebry) 6648-6730 (Drinkard)	07-69	
29P	Chevron - "A" State #6 330' FSL & 660' FEL	3656' GL	7015	6511	13 3/8" 9 5/8" 5 1/2" Lnr.	48# 36# 17#	378 3000 2549/7012	400 SX 600 SX 700 SX	Circ.* 1236* 3420*	17 1/2" 11 1/4" 8 3/4"	5882-5939 (Blinebry)	10-69	
29N	Continental - "A-29" State #7 660' FSL & 1850' FWL	3653' DF	6050		11 3/4" 8 5/8" 5 1/2"	42# 24# 15.5#	360 3800 6050	250 SX 240 SX 405 SX	Circ.* 2942* 3972*	15" 11" 7 7/8"	5823-5941 (Blinebry)	02-69	
29K	Continental - "A-29" State #8 2150' FSL & 1800' FWL	3655' DF	5960		11 3/4" 8 5/8" 5 1/2"	42# 32# 17#	360 3800 5960	250 SX 260 SX 405 SX	Circ.* 2942* 3882	15" 11" 7 7/8"	5796-5924 (Blinebry)	04-69	
33L	Continental - "A-33" State #12 2175' FSL & 625' FWL	3669' DF	7018		13 3/8" 9 5/8" 7"	48# 36# 23#	422 3750 7018	375 SX 325 SX 525 SX	Circ.* 2794* 3654*	17 1/2" 12 1/4" 8 3/4"	6668-6943 (Drinkard)	09-69	
30I	Exxon - "A" Bowers #1 1980' FSL & 660' FEL	3657' DF	6000		12 1/2" 9 5/8" 7" 4 1/2"	- - - -	205 2750 3962 6000	180 SX 620 SX 528 SX 275 SX	Circ.* 928* 778* 3606*	12" 11 1/2" 8 3/4" 6 1/4"	5812-5922 (Blinebry)	11-41	04-69 04-71
30P	Exxon - "A" Bowers #30 330' FSL & 660' FEL	3651' DF	6000		11 3/4" 8 5/8" 4 1/2"	31# 24# 9.5#	361 3850 6000	300 SX 500 SX 550 SX	Circ.* 2042* 12104	15"** 11"** 6 1/4"**	5849-5946 (Blinebry)	06-69	
29M	Exxon - USA Bowers #28 660' FSL & 990' FWL	3650' DF	6000	5958	11 3/4" 8 5/8" 5 1/2"	42# 32# 15.5#	373 3849 5989	300 SX 500 SX 450 SX	Circ.* 2061* 3681*	15" 11" 7 7/8"	5856-5928 (Blinebry)	04-69	
29L	Exxon - USA Bowers #29 2150' FSL & 990' FWL	3654' DF	6000		11 3/4" 8 5/8" 4 1/2"	42# 32# 9.5#	369 3850 6000	300 SX 500 SX 450 SX	Circ.* 2062* 2082*	15"** 11"** 6 1/4"**	5831-5859 (Blinebry)	06-69	
29E	Exxon - USA Bowers #31 1980' FNL & 660' FWL	3656' DF	7050		11 3/4" 8 5/8" 5 1/2"	42# 32# 17#	372' 3836' 1038'	300 SX 500 SX 650 SX	Circ. 2300'(TS) 3630*	15" 11" 7 7/8"	6896-6958 (Drinkard)	07-69	
29I	Getty-Grimes #6 1879' FSL & 557' FEL	3659' DF	7050	7038	13 3/8" 9 5/8" 7"	48# 36# 23#	377 3847 7049	400 SX 2100 SX 800 SX	Circ. Circ. 2200(TS)	17 1/2" 12 1/4" 8 3/4"	5940-6858 (Blinebry)	02/01/70	
30H	Getty - McKinley #8 2310' FNL & 430' FEL	3659' DF	6059	6053	13 3/8" 8 5/8" 5 1/2"	65# 32# 17#	383 3842 6057	400 SX 1400 SX 350 SX	Circ. Circ.* 2000 (TS)	17 1/2" 11" 7 7/8"	5751-5901 (Blinebry)	06-69	
30G	Getty - McKinley #9 2235' FNL & 2310' FEL	3660' DF	7000	6970	13 3/8" 9 5/8" 7"	48# 36# 26#	378 3851 7000	400 SX 1748 SX 650 SX	Circ.* Circ.* 3082*	17 1/2" 12 1/4" 8 3/4"	5823-5908 (Blinebry) 6927-6965 (Drinkard)	10-69	
30B	Getty - McKinley #10 405' FNL & 2272' FEL	3664' DF	6050	6045	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	391 3849 6047	400 SX 1250 SX 570 SX	Circ. 600 (TS) 1500 (TS)	17 1/2" 11" 7 7/8"	5851-5951 (Blinebry)	11-69	
33B	Gulf - "B" Grimes #3 2115' FNL & 600' FEL	3665' GL	7100	6935	13 3/8" 9 5/8" 7"	48# 40# 23#	398 3960 7100	450 SX 1600 SX 470 SX	Circ. Circ. 2510 (TS)	17 1/2" 12 1/4" 8 3/4"	6654-6850 (Drinkard)	02-75	

PRESSURE MAINTENANCE PROJECT
EXHIBIT "10"

Sec, Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion Date
33B	Gulf - "B" State #7 450' FNL & 2160' FEL	3645' GL	7100	6643	13 3/8" 9 5/8" 7"	48# 36# 23#	363 3859 7099	400 SX 2000 SX 685 SX	Circ. Circ. 3633 (TS)	17 1/2"** 12 1/4"** 8 3/4"**	5848-5988 (Blinebry)	03-70	
32D	Gulf - "NCT-A" Grimes #16 800' FNL & 700' FWL	3636' GL	7050	7002	9 5/8" 7"	36# 23#	1497 7039	575 SX 2925 SX	Circ. Circ.	12 1/4"** 8 3/4"	5389-5391 (Glorieta) 5871-6083 (Blinebry)	08-68	
32C	Gulf - "NCT-A" Grimes #17 660' FNL & 1980' FWL	3645' GL	6150	5970	13 3/8" 9 5/8" 7"	48# 36# 23#	366 3399 6149	370 SX 1450 SX 565 SX	Circ. Circ.* 2510 (TS)	17 1/2" 12 1/4" 8 3/4"	5780-5949 (Blinebry)	11-68	
32F	Gulf - "NCT-A" Grimes #18 1650' FNL & 2080' FWL	3642' GL	6020	6000	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	351 3799 6019	335 SX 300 SX 505 SX	Circ.* 2727* 2470 (TS)	17 1/2" 11" 7 7/8"	5772-5978 (Blinebry)	02-69	
32J	Marathon - State #9 2130' FSL & 1980' FEL	3642' GL	7000	6260	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	376 3799 3573/6998	360 SX 1140 SX 490 SX	Circ. 430 (TS) 4044*	17 1/2" 12 1/4" 8 3/4"**	5954-5968 (Blinebry)	01-70	
32G	Shell - "A" State #6 1930' FNL & 2310' FEL	3635' GL	6020	5952	13 3/8" 8 5/8" 5 1/2" Lnr.	48# 32# 15.5#	357 3820 3566/6020	350 SX 800 SX 500 SX	Circ. 2360* 3454*	17 1/2" 12 1/4" 7 7/8"**	5805-5929 (Blinebry)	04-69	
32H	Shell - "A" State #7 1930' FNL & 660' FEL	3646' DF	7020	6981	13 3/8" 8 5/8" 5 1/2" Lnr.	40# 24, 32# 15.5#	350 3790 3580/7015	350 SX 1300 SX 650 SX	Circ. 898* 3580	17 1/2" 12 1/4" 7 7/8"**	5829-5866 (Blinebry) 6659-6932 (Drinkard)	07-69	08-69
33D	Shell - "B" State #5 660' FNL & 660' FWL	3657' DF	7000	5497	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	360 3799 3597/7000	350 SX 1850 SX 688 SX	Circ. Circ.* 3597*	17 1/2"** 12 1/4"** 8 3/4"**	5854-5975 (Blinebry) 5389-5442 (Paddock)	08-69	10-74
33C	Shell - "B" State #6 660' FNL & 1980' FWL	3654' DF	7100	7062	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	350 3815 3609/7100	300 SX 1400 SX 805 SX	Circ.* Circ.* 3609*	17 1/2" 12 1/4" 8 3/4"	5948-5956 (Blinebry) 6639-6931 (Drinkard)	12-69	
28N	Shell - Grimes #9 731' FSL & 731' FWL	3657' DF	7102	7065	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	372 3737 3513/7102	350 SX 1400 SX 720 SX	Circ.* Circ.* 3513*	17 1/2"** 12 1/4"** 8 3/4"**	5892-5979 (Blinebry) 6629-6956 (Drinkard)	10-69	
28M	Shell - Grimes #11 750' FSL & 1790' FWL	3655' DF	6350	6000	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	348 3805 3602/6350	250 SX 1400 SX 497 SX	Circ. Circ.* 3602	17 1/2" 12 1/4" 8 3/4"	5890-5967 (Blinebry)	10-69	
25P	Rice Hobbs SWD #P-25	3661' KB	4753		12 1/2" 9 5/8" 7" 5"	50# 35# 26# 15#	209* 600/2234* 2400/4110 4753	250 SX 650 SX 350 SX 1200 SX	Circ. 340	15"** 12"** 8 3/4"** 6 1/2"**	4446-4735	12-58	03-77
29F	Rice Hobbs SWD #F-29 1880' FNL & 1742' FWL	3653.8' KB	5052		9 5/8" 7"	32,36 20#	450' 4706'	300 SX 600 SX	Circ. 1900' (TS)	12 1/4" 8 3/4"	4706-5052' (6 1/4" OH)	08-60	

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Casing Amt. of Cmt.	Casing TOC	Hole Size	Producing Interval	Completion Date	Date of Abandonment
32B	Amerada - Hobbs State #5 2760' FNL & 1980' FWL	3655' GL	5995	P&A	9 5/8" 7" 4 1/2"	36# 23# 11.6#	364 3826 5986	200 SX 140 SX 186 SX	Circ.* 2975* 4340*	12 1/4" 8 3/4" 6 1/4"	5819-5875' (Blinebry)	01-71	05-11-73
36I	Amerada - State "D" #1 2310' FSL & 330' FEL	3654' GL	4275	P&A	7" 4 1/2"	23# 10.5, 11.6#	1555 4275	400 SX 300 SX	Circ. 2750 (TS)	8 3/4" 6 1/4"	4138-4244 (G/SA)	12-60 12-68	10-27-70
28F	Arco - Grimes #2 1650' FNL & 2310' FWL	3656' GL	4243	P&A	15 1/2" 10" 6 5/8"	70# 45# 24#	233 2102 3974	200 SX 700 SX 250 SX	Circ.* 1945* 3270*	18"** 13"** 8 1/2"**	3974-4243 (G/SA)	12-32 12-32	04-18-59
29P	Chevron - State "A" #1 992' FSL & 988' FEL	3651' GL	4090	3260 3160 CO	13 3/8" 9" 6 5/8"	48# 45# 24#	237 2235 3901	200 SX 500 SX 357 SX	Circ.* 1405* 1813*	16" 12" 8 1/2"**	3907-4090 (G/SA)	08-30	10-14-46
29O	Chevron - State "A" #2 990' FSL & 1650' FEL	3651' GL	4171	3060	13 3/8" 9 5/8" 7"	50# 36# 30#	242 2822 3951	150 SX 725 SX 300 SX	70* 469* 2137*	18" 12" 8 3/4"	3155-3175 (G/SA) 3951-4170 (G/SA)	09-30	1946
13K	Continental - State "B-13" 3 3300' FNL & 3300' FEL	3684' DF	4245	D&A	13" 9 5/8" 7"	50# 36# 24#	274 1622 3931	200 SX 400 SX 400 SX	Circ.* 438* 1149*	16"** 12 1/4"** 8 1/2"**	3290-3309 (Bowers) 3951-4245 (G/SA)	06-36	06-03-36
13O	Continental - State "B" - 13 #2 660' FNL & 660' FWL	3686' DF			Not drld; cancelled 11-13-57								
13D	Continental - North Hobbs Unit #1 660' FNL & 660' FWL	3686' DF	8877	D&A	13 3/8" 9 5/8"	48# 36, 40#	330 5134	375 SX 840 SX	Circ.* 2700*	17 1/2" 12 1/4"	5134-8877 (D&A)	05-60	05-26-60
14P	Estes Engr. - Stanolind St. #1-A 330' FSL & 330' FEL	3677' DF	4135	P&A	10 3/4" 7"	40.5# 20#	265 3911	200 SX 150 SX	Circ.* 3539*	15" 10 3/4"	3911-4135 (G/SA)	12-52	01-06-65
29D	Exxon - Bowers "B" Fed. #1 330' FNL & 330' FWL	3656' DF	4186	P&A	15 1/2" 9 5/8" 7"	70# 36# 26#	235 2716 3987	225 SX 650 SX 300 SX	Circ.* 890* 1840*	18"** 12 1/4"** 8 1/2"**	3987-4186 (G/SA)	11-32	12-21-71
20J	Exxon - Bowers "B" #2 330' FSL & 330' FWL	3647' DF	4247	P&A	15 1/2" 10 3/4" 7"	70# 40# 26#	225 2810 4050	225 SX 700 SX 300 SX	Circ.* 750* 1950*	18"** 13 1/2"** 8 1/2"**	4050-4247 (G/SA)	12-32	05-06-46
29A	Exxon - Grimes #2 990' FNL & 660' FWL	3643' GL	4045	D&A	8 5/8" 5 1/2"	32# 14, 17#	100 3205	150 SX 450 SX	Circ.* 765*	11" 7 7/8"	3205-4045 (Bowers G/SA)	03-17-48	03-23-48
18E	Exxon - Boon Hardin #1 990' FNL & 330' FWL	——	4720	D&A	15 1/2" 9 5/8" 7"	70# 36# 24#	222 2820 4010	225 SX 650 SX 300 SX	Circ.* 910* 1910*	18"** 12 1/4"** 8 1/2"**	4010-4720 (G/SA)	05-11-33	05-15-33
20P	Exxon - Bill Sweet B "US" #3 330' FSL & 990' FEL	3645' GL	4226		15 1/2" 9 5/8" 7"	70# 36# 24#	250 2820 4015	225 SX 650 SX 300 SX	Circ.* 910* 1915*	18"** 12 1/4"** 8 1/2"**	4015-4226 (G/SA)	02-33	09-01-49
20P	Exxon - Bill Sweet B "US" #3-A 330' FSL & 700' FEL	3647' DF	4230	P&A	10 3/4" 7"	40# 20#	258 4138	150 SX 600 SX	Circ. 522*	13 1/2"** 8 3/4"**	4138-4230 (G/SA)	02-54	08-09-60
25J	Exxon - State "A" #3 1980' FEL & 1980' FSL	3667' DF	4220	P&A	12 1/2" 9 5/8" 7"	50# 36# 26#	207 2823 4100	250 SX 650 SX 350 SX	Circ.* 907* 1660*	14"** 12 1/4"** 8 1/2"**	4100-4220 (G/SA)	11-30	03-18-47
30O	Exxon - "A" Bowers #32 330' FSL & 1980' FEL	3646' GL	7075	P&A	13 3/8" 9 5/8" 3 1/2" 3 1/2"	48# 36# 7.7# 7.7#	385 3850 6140 7053	400 SX 550 SX 895 SX	Circ.* 610* 5620*	17 1/2" 11" 8 3/4" 8 3/4"	5725-5901 (Drinkard) 6974-6982 "	10-69	09-14-72
30J	Exxon - "A" Bowers #34 1980' FSL & 2120' FEL	3650' GL	7010	P&A	13 3/8" 9 5/8" 3 1/2" 3 1/2"	48# 36# 7.7# 7.7#	401 3850 6100 7010	400 SX 550 SX 895 SX 4164*	150* 3040*	17 1/2" 12 1/4" 8 3/4" 8 3/4"	5822-5828 (Drinkard) 6718-6912	09-69	09-26-72
29E	Exxon - USA Bowers #9 2310' FNL & 990' FWL	3654' DF	4200	P&A	12 1/2" 9 5/8" 7"	50# 36# 26#	226 2736 3976	650 SX 650 SX 300 SX	Circ.* 351* 1825*	14"** 11 3/4"** 8 1/2"**	3976-4200 (G/SA) 3222-27 (Bowers/; Blv.)	09-30	01-02-62
29O	Exxon - USA Bowers #33 800' FNL & 660' FWL	3657' DF	6000	P&A	13 3/8" 9 5/8" 7"	48# 36# 23#	416 3850 5988	400 SX 550 SX 550 SX	Circ.* 3040* 2672*	17" 12 1/4"** 8 3/4"	5915-5953 (Blinebry)	07-69	10-03-72
14F	Getty - State "B" No. 3 2310' FNL & 2310' FWL	3686' DF	4324	P&A	8 5/8" 5 1/2"	24# 15.5#	341 4324	300 SX 600 SX	Circ.* 1096*	11" 7 7/8"	4219-4232 (G/SA)	01-60	08-27-60
29H	Getty - Grimes #5 1650' FNL & 990' FEL	3647' GL	4196	P&A	12 1/2" 9 5/8" 7"	50# 36# 24#	228 2735 3830	250 SX 600 SX 400 SX	Circ. 1173* 1084*	14"** 12 1/4"** 8 1/2"**	3880-4196 (G/SA)	12-30	06-29-50
29H	Getty - Grimes #2 2310' FNL & 990' FEL	3650' GL	4175	P&A	15" 9 5/8" 7"	70# 36# 24#	230 2716 3880	200 SX 600 SX 400 SX	Circ.* 954* 1764*	18"** 12 1/4"**	3880-4175 (G/SA)	9-30	07-03-51

PENETRATE THE INJECTION ZONE

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Date of Abandonment
29I	Cotty - Grimes WD #1 1650' FSL & 990' FEL	3650' GL	4160	P&A	12 1/2" 9 5/8" 6 5/8"	50# 36# 24#	236 2712 3826	200 SX 600 SX 300 SX	Circ.* 948* 2098*	16"** 12 1/4"** 8 1/2"**	3826-4200 (G/SA)	08-30	07-25-68
21G	Gulf - Morris #1 363' FNL & 2310' FEL	---	4255	P&A	10 3/4" 7	40# 24#	249 4085	155 SX 450 SX	Circ.* 943*	12" 8 1/4"	4085-4255 (G/SA)	10-42	10-27-43
21E	Gulf - North Grimes #4 1350' FSL & 1350' FWL	3645' GL	4225	P&A	13" 7"	40# 24#	247 4126	250 SX 1300 SX	Circ.* Circ.*	18" 9 7/8"	4126-4225 (G/SA)	04-36	02-08-49
21G	Gulf - Gertrude Morris #1 1980' FNL & 1980' FEL	3640' GL	11,211	D&A	13 3/8" 9 5/8" 5 1/2" lir	48# 36#	250 4399 4287/6250	300 SX 2820 SX 500 SX	Circ.* Circ.* 4643*	17 1/2" 12 1/4" 7 1/2"**	3688-3855 4250-4495 (G/SA) 6153-6181	11-56	01-11-57
32C	Gulf - Grimes (MCT-A) #4 330' FNL & 2310' FWL	3640' GL	4153	P&A	15 1/2" 9 5/8" 6 5/8"	70# 36# 24#	220 2142 3931	200 SX 600 SX 400 SX	Circ. 930* 1890*	18"** 12 1/4"** 8 3/4"**	3630-3 00 (G/SA)	08-30	08-21-60
36C	Gulf Holt (MCT-B) #1 330' FNL & 2310' FWL	3670' GL	4275	P&A	8 5/8" 5 1/2"	24# 14#	434 4275	325 SX 400 SX	Circ. 2334*	11" 7 7/8"	3838-4034 4242-72	06-57	04-76
30M	Marathon - St. Land Sec. 30 #4 330' FNL & 330' FWL	3662' DF	4215	P&A	16" 9 5/8" 7"	65.3# 40# 24#	260 2750 3946	225 SX 500 SX 350 SX	Circ.* 1280* 1500*	18"** 12 1/4"** 8 1/2"**	3946-4215 (G/SA) 3758-3850	11-30	01-25-57
32J	Marathon - St. Land Sec. 32 #1 2970' FNL & 1650' FEL	3636' GL	4176	P&A	12 1/2" 10 3/4" 7"	50# 41# 24#	1462 2776 3850	175 SX 200 SX 275 SX	1264* 2242* 2192*	17"** 13 1/2"** 8 3/4"**	3264-4176 (Bowers - G/SA) 3160-3203 (Bowers)	04-48	07-21-58
20G	Moran - SH - 20 #1 1650' FNL & 1650' FEL	3656' DF	6175	D&A	8 5/8"	24#	305	225 SX	Circ.	12 1/4"	D&A (Blinebry)	03-62	10-08-62
32G	Shell St. "A" #1	3638' DF	4175	3750	12 1/2" 9" 7"	50# 36# 24#	222 2755 3850	135 SX 600 SX 200 SX	102* 1065* 3132*	16"** 10 1/2"** 8 1/2"**	3550-4175	06-09-30	09-05-41
19I	Shell - McKinley "A" #6 2310' FSL & 1320' FEL	3659' DF	4270	P&A	13 1/2" 9 5/8" 7" 4 1/2" Lar.	50# 36# 24# 11.6#	235 2810 3970 3850/4237	300 SX 600 SX 225 SX 70 SX	Circ.* 1066* 2398* 3699*	17"** 12 1/4"** 8 1/2"** 6"**	3970-4210 (G/SA) 4237-4270 (G/SA) 3760-3841	09-30	06-12-63
19J	Shell - McKinley "A" - 19 #1 2310' FSL & 1650' FEL	3655' DF	9550	D&A	13 3/8" 9 5/8"	48# 36, 40#	351 4498	350 SX 2500 SX	Circ.* Circ.*	17" 12 1/4"	4498-9550 3260-3301 (Bowers)	D&A 08-26-62	02-19-63
17O	Shell - State "MC" #1 990' FNL & 330' FWL	3667' DF	4360	D&A	7 5/8" 4 1/2"	24# 11.6#	266 4360	230 SX 350 SX	Circ. 2074*	9 7/8" 6 3/4"	-	01-62	03-30-62
14P	Shell - State "E" #1 4620' FNL & 330' FEL	3686' DF	4130	P&A	12 1/2" 9 5/8" 7"	50# 36# 24#	229 1612 4014	150 SX 650 SX 260 SX	45* Circ.* 2326*	11" 12" 8 3/4"	4014-4180 (G/SA)	01-36	12-21-36
23A	Shell - State "F" #1 660' FNL & 330' FEL	3673' DF	4150	P&A	8 5/8" 4 1/2"	32# 9.5#	1592 4099	525 SX 130 SX	Circ.* 3249*	11" 6 3/4"	4099-4122 (G/SA) 3300-3350 (Bowers) 2765-2860	09-48	10-15-57
27O	Shell - Sanger #1 (King) 4637' FNL & 2638' FEL	3629' GL	4286	D&A	8 5/8" 5 1/2"	32# 14, 17#	246 4069	200 SX 350 SX	Circ.* 2173*	11" 7 7/8"	4069-4286 (G/SA)	01-48	01-14-48
20G	Sun - McKinley "B" #1 330' FSL & 330' FWL	3651' GL	8010	P&A	13" 7" 5, 5 1/2"	50# 24# 15.5# 18	253 4135 7543	350 SX 825 SX 350 SX	Circ.* 1130* 4489*	16"** 9 7/8" 6 1/4"	7543-8010	01-47	02-15-47
20G	Sun - McKinley "B" #1-A 2310' FNL & 1980' FEL	3655' GL	4270	P&A	10 3/4" 7" 5"	40.5# 20# 15.5#	278 4100 4050/4270	125 SX 350 SX 50 SX	Circ.* 1985* 4050*	13" 8 3/4" 6 1/4"	4147-90 (G)	03-52	
21E	Antwell - Morris #1 2310' FNL & 330' FWL	3651' DF	4294	D&A	10 3/4" 7"	40# 20#	283 4100	150 SX 150 SX	55* 3196*	15" 8 3/4"	4100-4294 (G/SA)	09-52	11-01-52
26O	Cactus Drlg. - Pan Am. St. #1 355' FNL & 990' FWL	3688' DF	4359	P&A	13 3/8" 5 1/2"	- 15.5#	310 3869	150 SX 150 SX	96* 3099*	17 1/4" 7 7/8"	3869-4359 3785-3807 3450-3595	05-57	08-57
12P	R. D. Collier - Pan Am. #1 660' FSL & 660' FEL	3680' DF	4368	D&A	10 3/4" 5 1/2"	24# 17#	260 4368	100 SX 300 SX	Circ. 2826*	15"** 7 7/8"	4291-4350 (G/SA)	01-30-58	06-13-58
7O	Landreth Prod. - State #1-A 440' FSL & 2200' FEL	3676' DF	4320	P&A	20" 12 1/2" 10" 7"	90# 50# 40# 24#	120 1727 3060 4133	Information not available				08-30	08-07-31
35M	Hobbs High Inc. - H.B. Tatum #1 990' FSL & 330' FWL	3610' DF	4100	D&A	22 1/2" 8" 6"		280 1600 4100	Information not available					05-35
20I	C. N. Sweet - Grimes #1	3647' GL	4244	P&A	12 1/2" 7"	50# 24#	232 4015	150 SX 550 SX	48* 699*	17"** 8 3/4"**	4015-4244 (G/SA)	11-14	11-20-52
26A	Viner - Gulf St. #1 330' FNL & 1650' FEL	3674' DF	4263	P&A	8 5/8" 4 1/2"	24# 11.6#	320 4263	200 SX 240 SX	Circ.* 3321*	11" 7 7/8"	4000-4256 (G/SA)	11-59	06-18-65

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. /abandoned Date
18M	141 Amerada Hardin #1 330' FSL & 330' FWL	3673 DF	4395	4151	16" 10 3/4" 8 5/8" 6 5/8" Lnr. 4 1/2" Lnr.	70# 45# 32# - -	222 2781 3923 3859/4146 4066/4393	250 SX 450 SX 275 SX 50 SX 100 SX	Circ.* 1656* 2135* 3859* 4066*	18 1/2"** 13 1/2"** 10"** 8 1/4"** 6 1/4"**	3953-4059 (G)	6-32	1-76 (TA)
18N	241 Amerada Hardin #2 330' FSL & 2310' FWL	3670 DF	4325		12 1/2" 9 5/8" 7" 5 1/2" Lnr. 4" Lnr.	50# 36# 24# - -	228 2802 3937 3977/4197 4148/4323	250 SX 450 SX 300 SX 50 SX 35 SX	Circ.* 1151* 2123* 3251* 4148*	16"** 11 3/4"** 8 3/4"** 6 1/4" 5"	3992-4052 (G) 4233-4285 (SA)	11-32	6-73 (TA)
18L	131 Amerada Hardin #3 2310' FSL & 330' FWL	3676 DF	4180	4046	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# -	225 2803 4134 4011/4180	250 SX 450 SX 300 SX -	Circ.* 1152* 2320* -	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4011-4046 (G)	6-33	6-73 (TA)
18K	231 Amerada Hardin #5 1980' FSL & 1901' FWL	3676 DF	4290	4164	7" 4 1/2"	17# 9.5#	327 4289	250 SX 185 SX	Circ. 2822	9 5/8" 6 1/4"	4004-4044 (G)	5-59	6-73 (TA)
30D	111 Amerada McKinley #1 330' FNL & 330' FWL	3650 GL	4230		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# 10.5#	231 2755 3851 3784/4229	250 SX 450 SX 200 SX 220 SX	Circ.* 1104* 2102* 3784*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	3851-4043 (G) 4063-4130 (SA)	7-30	
30F	221 Amerada McKinley #2 2310' FNL & 2310' FWL	3659 GL	4208		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# -	260 2750 3852 3359/4207	250 SX 535 SX 250 SX 125 SX	Circ. 781* 1666* 3199*	16" 11 3/4"** 8 1/4" 6 1/4"	3851-4041 (G) 4041-4208 (SA)	4-30	
30C	211 Amerada McKinley #3 330' FNL & 2310' FWL	3654 GL	4227		12 1/2" 9 5/8" 6 5/8"	50# 40# 24#	230 2647 3972	200 SX 400 SX 250 SX	Circ.* 1179* 2248*	16"** 11 3/4"** 8 1/4"**	3972-4227 (SA)	8-30	
30E	121 Amerada McKinley #4 2310' FNL & 330' FWL	3662 DF	4198		12 1/2" 9 5/8" 7"	50# 36# 24#	213 2749 3994	200 SX 400 SX 425 SX	Circ.* 1281* 1424*	16"** 11 3/4"** 8 3/4"**	3994-4046 (G) 4066-4114 (SA)	9-30	
32B	311 Amerada State A #1 990' FNL & 2310' FEL	3638 GL	4160		12 1/2 " 9 5/8" 7"	50# 40# 24#	207 2739 3938	200 SX 425 SX 350 SX	Circ.* 1179* 1821*	16"** 11 3/4"** 8 3/4"**	3939-3964 (G) 3964-4160 (SA)	3-30	
32A	411 Amerada State A #2 330' FNL & 330' FEL	3658 DF	4160		12 1/2" 9 5/8" 7"	50# 36# 24#	224 2740 3939	200 SX 400 SX 500 SX	Circ.* 1272* 915*	16"** 11 3/4"** 8 3/4"**	4095-4160 (SA)	9-30	
29F	221 Amerada State B #1 2310' FNL & 1650' FWL	3653 DF	4216		12 1/2" 9 5/8" 5 1/2" 4 1/2"	50# 36# 24# -	210 2704 3597 4213	200 SX 400 SX 500 SX -	Circ.* 1236* 1373* -	16"** 11 3/4"** 7 7/8"** 5"**	4175-4185 (SA)		
29G	321 Amerada State B #2 2310' FNL & 1650' FEL	3652 DF	4207		12 1/2" 9 5/8" 7"	50# 36# 24#	221 2756 3995	250 SX 500 SX 300 SX	Circ.* 921* 2181*	16"** 11 3/4"** 8 3/4"**	3995-4058 (G) 4058-4207 (SA)		
29B	311 Amerada State B #3 990' FNL & 1650' FEL	3653 DF	4269		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	241 2776 4008 4234	250 SX 400 SX 500 SX 100 SX	Circ.* 1308* 984* 2343*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4044-4110 (G)	10-30	
29C	211 Amerada State B #4 330' FNL & 2310' FWL	3656 DF	4253		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# -	243 2796 4007 3957/4228	250 SX 400 SX 500 SX 130 SX	Circ.* 1328* 983* 3957*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4125-4150 (G) 4189-4253 (SA)	11-30	11-40 (Deepened SA)
36A	411 Amerada State C #1 330' FNL & 330' FEL	3658 DF	4236	4167	15 1/2" 10" 7"	70# 45# 24#	242 2350 4062	400 SX 500 SX 500 SX	Circ.* 1418* 1038*	18"** 12 3/4"** 8 3/4"**	4062-4167 (G)	1-31	
36H	421 Amerada State C #2 1650' FNL & 330' FEL	3658 DF	4210		8 5/8" 5 1/2"	24# 15.5#	367 4210	380 SX 400 SX	Circ.* 2111*	12 1/4" 7 7/8"	4044-4209	9-56	
36G	321 Amerada State C #3 1650' FNL & 1650' FEL	3663 DF	4293	4280	8 5/8" 5 1/2"	24# 15.5#	374 4286	350 SX 400 SX	Circ. 2825	12 1/4" 7 7/8"	4155-4262 (G)	11-56	10-74 (TA)
24E	121 Amerada State E #1 1650' FNL & 990' FWL	3682 DF	4319	4128	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 14#	228 2821 4053 4012/4249	250 SX 450 SX 300 SX -	Circ.* 1170* 2239* -	16"** 11 3/4"** 8 3/4"** 6 1/4"	4094-4115 (G) 4140-4150 (SA-Dense)	1-35	

*Calculated
**Estimate

PROPOSED NORTH HOBBS
(GRAYBURG - SAN ANDRES)
UNIT WELLS

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elevn	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
24D	111 Amerada State E #2 330' FNL & 990' FWL	3685 DF	4273		10 3/4" 7" 5 1/2" Lnr.	40# 24# 15#	231 3998 3947/4268	250 SX 500 SX 30 SX	Circ * 976* 3942*	13 1/2"** 8 3/4"** 6 1/4"	4034-4054 (G) 4082-4158 (SA)	8-35	
14O	341 Amerada State WNB #1 660' FSL & 1650' FEL	3688 DF	4176		8 5/8" 5 1/2"	32# 15.5#	303 4143	250 SX 400 SX	Circ. 2610	12 1/4" 7 7/8"	4143-4176 (G)	11-57	9-76 (TA)
14E	231 Amerada State WNB #2 1650' FSL & 2310' FWL	3698 DF	4250	4247	8 5/8" 5 1/2"	24, 32# 14#	262 4249	250 SX 400 SX	Circ. 2705	12 1/4" 7 7/8"	4156-4228 (G)	8-58	6-11 (TA)
33E	121 Amoco State G #1 2310' FNL & 330' FWL	3640 GL	4279	4251	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# 9.5#	184 2355 3951 4251/4279	- - - 175 SX	- - - 4251*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4208-4253 (SA)	6-50	
33F	221 Amoco State G #2 2310' FNL & 1320' FWL	3643 GL	4242		12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	209 2800 4012 4242	- - - 100 SX	- - - 3053*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4201-4214 (SA)	9-30	
21J	311 Amwell Hobbs CT #1 1650' FSL & 2260' FEL	3647 GL	4225	4222	8 5/8" 4 1/2"	20# 9.5#	430 4224	250 SX 485 SX	Circ. 2288*	11" 7 7/8"	4185-4206 (G)	10-64	
20O	341 Atlantic Grimes #1 330' FSL & 2310' FEL	3643 GL	4248		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 9.5#	232 2790 4031 3886/4248	200 SX 500 SX 300 SX 70 SX	Circ.* 9551 2223* 3886*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4031-4158 (G)	10-30	
28E	121 Atlantic Grimes SOC #1 2310' FNL & 330' FWL	3643 GL	4250	4247	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	228 2350 3942 3893/4250	265 SX 700 SX 300 SX 65 SX	Circ.* 181* 2128* 3893*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4139-4243 (SA)	9-30	
28F	221 Atlantic Grimes SOC #2A 1910' FNL & 1650' FWL	3646 GL	4240	4236	10 3/4" 7"	32, 75# 20, 23#	581 4240	600 SX 682 SX	Circ.* 116*	15" 8 3/4"	4164-4260 (SA)	2-59	7-71 (Rec.)
28O	111 Atlantic Grimes SOC #3 990' FNL & 330' FWL	3646 GL	4280	4130	15 1/2" 10" 7" 4 1/2" Lnr.	70# 45# 26# 11.6#	296 2704 3956 3913/4234	200 SX 150 SX 250 SX 50 SX	Circ.* 2304* 2444* 3913*	18"** 12 3/4"** 8 3/4"** 6 1/4"**	4109-4121 (G)	7-34	
28C	211 Atlantic Grimes SOC #4 990' FNL & 2310' FWL	3649 GL	4220		15 3/4" 10 3/4" 7"	70# 45# 24#	243 2733 4036	300 SX 700 SX 400 SX	Circ.* 2428* 1617*	18"** 15"** 8 3/4"**	4036-4163 (G) 4163-4220 (SA)	9-35	
36B	311 Byron Gulf Holt St. #1 330' FNL & 1650' FEL	3651 GL	4225	4212	8 5/8" 5 1/2"	24# 14#	320 4225	300 SX 450 SX	Circ.* 2605*	11 3/4" 8 3/4"	4116-4168 (G)	3-53	
20F	221 Chevron McKinley #1 2310' FNL & 1320' FWL	3644 GL	4290		13 3/8" 9 5/8" 7" 4 1/2" Lnr.	54.5# 36# 24# -	232 2770 4026 3900/4290	142 SX 700 SX 150 SX -	22* 338* 3119* -	17"** 12 1/4"** 8 3/4"** 6 1/8"	4227-4236 (G)	10-30	
20E	321 Chevron McKinley #2 1980' FNL & 660' FWL	3648 GL	3391		16" 7" 4 1/2" Lnr.	70# 24# -	259 4054 -	225 SX 235 SX -	256 4022 -	19 3/4" 8 5/8" 6 3/4"**	4216-4224 (SA)	5-33	
17L	131 Chevron State 17 #1 1650' FSL & 330' FWL	3668 DF	4207	4195	9 5/8" 7"	32, 36# 23#	423 4206	240 SX 925 SX	Circ.* Circ.*	12 1/4" 8 3/4"	4127-4187 (G)	6-57	6-73 (TA)
29F	441 Chevron State 29 #3 330' FSL & 330' FSL	3643 GL	4220		13 3/8" 9 5/8" 7" 5" Lnr.	54.5# 36# 24# -	232 2743 3950 4020/4112	150 SX 1400 SX 300 SX 22 SX	Circ.* Circ.* 2156* 4020*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4020-4028 (SA) 4150-4220 (SA)	10-30	
29O	341 Chevron State 29 #4 2318' FSL & 330' FSL	3643 GL	4220		13 3/8" 9 5/8" 7" 5"	54.5# 36# 24# -	210 2750 3934 4162	150 SX 700 SX 300 SX 350 SX	Circ.* 728* 2120* Circ.	17"** 12 1/4"** 8 3/4"** 6 1/4"	4010-4035 (SA) 4160-4220 (SA)	10-30	
31A	411 Cities Service Fowler #1 330' FNL & 330' FEL	3645 GL	4175		12 1/2" 9" 6 5/8"	50# 36# 24#	242 2746 3938	50 600 200	197* 1863* 3246*	16"** 11 3/4"** 8 3/4"**	3938-4035 (G) 4035-4175 (SA)	7-30	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
31B	311 Cities Service Fowler #2 460' FNL & 2310' FEL	3649 GL	4201	4192	12 1/2" 9" 6 5/8" 5" Lnr.	50# 36# 24# 18#	230 2335 3951 3882/4194	200 SX 500 SX 250 SX 35 SX	Circ.* 1215* 2227* 3882**	16"** 11 3/4"** 8 1/4"** 6 1/4"**	3991-4042 (G)	9-30	3-75 (TA)
31G	321 Cities Service Fowler #3 2200' FNL & 2310' FEL	3644 GL	4212		12 1/2" 9" 7"	50# 36# 24#	227 2350 3957	150 SX 500 SX 200 SX	Circ.* 1289* 2748*	16"** 11 3/4"** 8 3/4"**	3957-4099 (G) 4099-4212 (SA)	11-30	
31H	421 Cities Service Fowler #4 1370' FNL & 330' FEL	3651 GL	4190	4123	12 1/2" 9 5/8" 7" 5 1/2"	50# 40# 24# 15.5#	242 2760 5955 4190	100 SX 300 SX 150 SX 635 SX	66* 1659* 3048* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4103-4123 (SA)	4-34	
31A	412 Cities Service Fowler #5 660' FNL & 660' FEL	3651 GL	6260	4170	13 3/8" 8 5/8" 5 1/2"	48# 24, 32# 14, 15.5, 20#	343 3799 6255	350 SX 500 SX 400 SX	Circ. 2372 3080	17 1/2" 11" 7 7/8"	4047-4057 (G) 4066-4151 (SA)	7-69	
19F	221 Cities Service Hardin #1 2310' FNL & 2310' FWL	3661 DF	4209		12 1/2" 9" 7"	50# 40# 24#	241 2750 3991	200 SX 500 SX 200 SX	Circ.* 1289* 2782*	16"** 11 3/4"** 8 3/4"**	3991-4054 (G) 4054-4209 (SA)	9-30	
19E	121 Cities Service Hardin #2 2310' FNL & 333' FWL	3666 DF	4250		12 1/2" 9" 7" 4 1/2" Lnr.	50# 40# 24# -	245 2752 4020 3884/4250	200 SX 500 SX 200 SX 45 SX	Circ.* 1291* 2811* 3954*	16"** 11 3/4"** 8 3/4"** 6 3/4"**	4230-4248 (SA)	9-30	
19C	211 Cities Service Hardin #3 1309' FNL & 2310' FWL	3663 DF	4270	4263	12 1/2" 9" 7" 5" Lnr.	50# 32# 24# -	241 2750 3983 3925/4266	200 SX 500 SX 200 SX 50 SX	Circ.* 915* 2774* 3925*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4261 (SA)	11-30	
19D	112 Cities Service Hardin #4 330' FNL & 330' FWL	3672 DF	4204	4008	12 1/2" 9" 7"	50# 36# 24#	230 2770 3945	150 SX 500 SX 250 SX	Circ.* 1309* 2433*	16"** 11 3/4"** 8 3/4"**	3945-4008 (G)	9-32	4-52 (TA)
19D	111 Cities Service Hardin #5 990' FNL & 990' FWL	3671 DF	4255	4253	8 5/8" 5 1/2"	24# 14#	251 4254	200 SX 1500 SX	Circ. 1108	11" 7 7/8"	4242-4248 (SA)	5-52	
28O	341 Continental Grimes #1 2310' FEL & 330' FSL	3642 GL	4278		13 3/8" 9 5/8" 7" 5"	48# 36# 24#	222 1637 3975 4276	180 SX 300 SX 400 SX 100 SX	Circ.* 766* 1556* 3091*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4128-4258 (SA)	7-34	
28P	431 Continental Grimes #2 660' FEL & 330' FSL	3642 GL	4220		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	243 1634 4015	150 SX 300 SX 300 SX	Circ.* 185* Circ.*	13 1/2"** 9 5/8"** 6 1/4"	4015-4040 (G) 4040-4220 (SA)	1-35	
28J	331 Continental Grimes #3 2310' FEL & 1650' FSL	3649 GL	4225		10 3/4" 7 5/8" 5 1/2" 4"	45# 26.4# 17# -	245 1635 4015 4280	150 SX 300 SX 300 SX 100 SX	Circ.* 186* Circ.* 2428*	13 1/2"** 9 5/8"** 6 1/4"** 5"**	4015-4068 (G) [illegible] (SA) 4256-68	5-35	
28I	431 Continental Grimes #4 990' FEL & 1650' FSL	3648 GL	4225		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	225 1640 3993	150 SX 400 SX 400 SX	Circ.* Circ.* 1894*	13 1/2"** 9 5/8"** 7 7/8"**	3993-4084 (G) 4084-4225 (SA)	9-35	
29J	331 Continental State A29 #1 1650' FEL & 1650' FSL	3655 DF	4270	4248	12 1/2" 9 5/8" 7" 4 1/2"	50# 40# 24# 10.5#	234 2742 3929 4270	170 500 SX 300 SX 750 SX	Circ.* 907* 2115* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4044-4063 (SA) 4205-4242 (SA)	9-30	1-76 (TA)
29N	241 Continental State A29 #2 330' FSL & 2310' FWL	3645 GL	4184		12 1/2" 9 5/8" 7"	50# 40# 24#	217 3220 3929	160 SX 500 SX 300 SX	Circ.* Circ.* 2115*	16"** 11 3/4"** 8 3/4"**	4115-4184 (SA)	10-30	
29K	231 Continental State A29 #3 1650' FEL & 2310' FSL	3650 GL	3220		15 1/2" 9 5/8" 7"	70# 40# 24#	252 2729 3953	1000 SX 600 SX 300 SX	Circ.* 987* 2139*	18"** 12 1/4"** 8 3/4"**	4176-4190 (SA)	10-30	
33M	141 Continental State A33 #1 660' FSL & 660' FWL	3635 GL	4258		12 1/2" 9 5/8" 7" 5" Lnr.	50# 40# 24# 13#	209 2738 3976 3828/4258	165 SX 500 SX 275 SX 45 SX	Circ.* 903* 2313* 3828*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4236-4249 (SA)	9-30	
33L	131 Continental State A33 #2 2310' FNL & 330' FWL	3635	4243		15 1/2" 9 5/8" 7" 5"	70# 40# 24# 18#	208 2740 3953 3922	373 SX 500 SX 300 SX 100 SX	Circ.* 1289* 2139* 3057*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4193-4238 (SA)	10-30	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmts.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
33K	231 Continental State A33 #3	3645 GL	4259		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 24# -	183 2332 3946 3930/4235	250 SX 600 SX 510 SX 50 SX	Circ.* 990* 2071* 3940*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4198-4259 (SA)		
33J	331 Continental State A33 #4 1920' FSL & 1780' FEL	3644 GL	4234		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 24# -	216 2351 3937 3873/4232	425 SX 600 SX 325 SX 50 SX	Circ.* 1009* 1972* 3871*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4181-4209 (SA)	11-31	
33O	341 Continental State A33 #5 1980' FEL & 660' FSL	3653 DF	4247		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 24# -	213 2755 3981 3970/4237	350 SX 600 SX 325 SX 100 SX	Circ.* 1013* 2016* 3970*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4237-4247 (SA)	12-31	
33N	241 Continental State A33 #6 660' FSL & 1980' FWL	3637 DF	4252		15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 40# 24# -	223 2754 3971 3911/4236	350 SX 600 SX 387 SX 150 SX	Circ.* 1012* 1631* 3911*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4236-4252	2-32	
33G	321 Continental State A33 #7 1950' FNL & 1950' FEL	3648 GL	4244		15 1/2" 9 5/8" 7" 5 1/2"	70 40 24 15.5	257 2756 3970 4244	235 SX 400 SX 350 SX(180 300 SX	Circ.* 1615* 1853* 1401*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4225-4234 (SA)	1-33	
13H	241 Continental State B13 #1 660' FSL & 1980' FWL	3680 DF	4035		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	236 1615 4002	150 SX 300 SX 400 SX	Circ.* 166* Circ.*	13 1/2"** 9 5/8"** 6 1/4"**	4002-4026 (G) 4026-4035 (SA)	6-35	2-74 (TA)
13M	141 Continental State B13 #2 660' FSL & 660' FWL	3684 DF	4235		13" 9 5/8" 7" 5" Lnr.	50# 36# 24# -	270 1630 4005 3957/4235	200 SX 600 SX 400 SX 75 SX	Circ.* 469* 1586* 3957*	16"** 12 1/4"** 8 3/4"** 6 1/4"	4002-4040 (G)	9-35	1-51
13F	221 Continental State B13 #4 1980' FNL & 1980' FWL	3688 DF	4160	4156	8 5/8" 5 1/2"	24# 14#	307 4159	300 SX 1700 SX	Circ. 1750	11"** 7 7/8"**	4049-4152 (G)	4-57	
13E	121 Continental State B13 #5 1980' FNL & 660' FWL	3692 DF	4235	4198	8 5/8" 5 1/2"	- -	304 4199	282 SX 1800 SX	Circ.* Circ.*	11"** 7 7/8"**	4092-4235 (G)	6-57	
13C	211 Continental State B13 #6 660' FNL & 1980' FWL	3691 DF	4257		8 5/8" 5 1/2"	32# 14#	318 4256	300 SX 1800 SX	Circ. 1825 (TS)	11"** 7 7/8"**	4172-4248 (G)		
13L	131 Continental State B13 #7 330' FWL & 1980' FSL	3691 DF	4154	4118	8 5/8" 5 1/2"	24# 14#	343 4153	375 SX 950 SX	Circ.* Circ.*	11" 7 7/8"	4002-4114 (G)	4-61	
25C	211 Continental State B 25 #1 330' FNL & 2310' FWL	3673 DF	4225	4219	15 1/2" 9 5/8" 7"	70# 40# 24#	214 2767 4026	225 SX 600 SX 325 SX	Circ.* 1025* 2061*	18"** 12 1/4"** 8 3/4"**	4026-4108 (G) 4108-4225 (SA)	3-33	
25O	111 Continental State B25 #2 660' FNL & 660' FWL	3675 DF	4200		8 5/8" 5 1/2"	28# 14#	302 4199	250 SX 1500 SX	Circ.* Circ.*	11"** 7 7/8"**	4087-4180 (G)	4-57	
31K	231 Mobil Berry #1 1250' FWL & 2196' FSL	3644 GL	4190		13 3/8" 9 5/8" 7" 5" Lnr.	- - - -	245 2800 3955 3847/4190	- - 300 SX 110 SX	- - 2161* 3847*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4094-4119 (G)		
31N	241 Mobil Berry #2 990' FSL & 2310' FWL	3646 GL	4155		9 5/8" 7" 5"	36# 24# 15#	470 3225 4141	200 SX 800 SX 90 SX	Circ.* Circ.* 3074*	12 1/4 8 3/4" 6 1/4"	4018-4136 (G) 4141-4155 (SA)	5-48	
31L	131 Mobil Berry #3 900' FWL & 2310' FSL	3651 GL	4207		9 5/8" 7" 5"	36# 23# 15#	430 3240 4165	350 SX 500 SX 90 SX	Circ.* Circ.* 3098*	12 1/4" 8 3/4" 6 1/4"	4039-4202 (G) 4202-4207 (SA)	11-49	
31M	141 Mobil Berry #4 990' FSL & 990' FWL	3650 GL	4317	4306	10 3/4" 7" 5"	32.75# 23# 15#	435 3303 4317	350 SX 500 SX 100 SX	Circ.* 279* 3132*	13 3/4" 8 3/4" 6 1/4"	4097-4182 (G)	2-50	
30J	331 Exxon Bowers A Fed. #2 2335' FSL & 2310' FEL	3654 DF	4238		15 1/2" 12 1/2" 9 5/8" 7" 5 1/2"	70# 50# 36# 26# -	100 242 2750 3960 4238	- 225 SX 650 SX 300 SX -	- Circ.* 851* 2146* -	18"** 16"** 11 3/4"** 8 3/4"** 6 1/4"**	4068-4092 (SA)	8-30	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	Top	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date	
29N	143 Exxon Bowers A Fed. #3 330' FSL & 330' FWL	3644 GL	4202	4078	12 3/4" 9" 7" 5 1/2"	50# 36# 26# -	218 2350 3960 3941	200 SX 650 SX 300 SX 250 SX	Circ.* 851* 2146* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4032-4072 (SA)	8-30		
30F	441 Exxon Bowers A Fed. #4 330' FSL & 330' FEL	3646 GL	4206	4060	12 1/2" 9 5/8" 7"	50# 36# 26#	223 2350 3970	200 SX 650 SX 300 SX	Circ.* 365* 2156*	16"** 11 3/4"** 8 3/4"**	4035-4060 (SA)	8-30		
30I	431 Exxon Bowers A Fed. #5 2310' FSL & 990' FEL	3652 DF	4218	4062	12 1/2" 9 5/8" 7"	50# 36# 26#	216 2750 3975	200 SX 650 SX 300 SX	Circ.* 365* 2161*	16"** 11 3/4"** 8 3/4"**	3975-4026 (G) 4026-4062 (SA)	9-30		
29E	121 Exxon Bowers A Fed. #7 1570' FSL & 330' FWL	3665 DF	4201	4193	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 22# 11.60	231 2139 3104 2900/4201	250 SX 650 SX 100 SX 100 SX	Circ.* 354* 2499* 2930	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4183-4189 (SA)	3-47	12-61 (Rec.)	
30D	342 Exxon Bowers A Fed. #8 460' FSL & 330' FWL	3654 DF	4237	4104	12 1/2" 9 5/8" 7"	50# 36# 26#	220 2350 3914	210 SX 650 SX 300 SX	Circ.* 365* 2160*	16"** 11 3/4"** 8 3/4"**	4069-4104 (SA)	10-30	9-73 (TA)	
29L	131 Exxon Bowers A Fed. #10 2310' FSL & 990' FWL	3649 GL	4220		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 26# -	225 2350 3976 3870/4220	250 SX 650 SX 300 SX 50 SX	Circ.* 365* 2162* 3870*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4180-4192 (SA)	10-30		
30O	341 Exxon Bowers A Fed. #36 990' FSL & 1550' FEL	3655 DF	4352	4282	9 5/8" 5 1/2" 3 1/2" Lnr.	36# 15.5, 17# -	1463 3956 3715/4350	500 SX 625 SX 125 SX	12* 677* 2130*	12 1/4" 7 7/8" 6 3/4"**	4056-4077 (SA)	3-74		
29O	118 Exxon Bowers A Fed. Com. #35 990' FNL & 330' FWL	3662 DF	4331	4250	8 5/8" 5 1/2"	24# 14#	310 3905	150 SX 300 SX	Circ. 2351*	11" 7 7/8"	4168-4250 (SA)	12-71		
29A	411 Exxon Grimes #1 990' FNL & 990' FEL	3647 GL	4250	4165	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 26# -	245 2750 4045 3941/4223	250 SX 650 SX 300 SX 30 SX	Circ. 365* 2231* 3941*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4102-4127 (G) 4154-4214 (SA)	10-30		
35I	431 Exxon New Mexico State #1 330' FEL & 2310' FSL	3649 GL	4215	4095	12 1/2" 9 5/8" 7"	50# 36# 26#	215 2750 3977	260 SX 650 SX 300 SX	Circ.* 365* 2163*	16"** 11 3/4"** 8 3/4"**	3977-4035 (G)	10-30		
25O	342 Exxon New Mexico State #5 660' FSL & 1650' FEL	3667 DF	4220	4220	8 5/8" 5 1/2"	29, 32# 15.5#	1639 4220	900 SX 1100 SX	Circ. 1620	11" 7 7/8"	4095-4210 (G)	12-53		
25C	231 Exxon New Mexico State #6 2310' FSL & 2310' FWL	3670 DF	4253	4245	8 5/8" 5 1/2"	24# 14#	1800 4252	1000 SX 1250 SX	Circ. Circ.	11" 6 3/4"	4090-4156 (G)	3-55		
25P	441 Exxon New Mexico State #7 330' FEL & 990' FSL	3667 GL	4188	4139	8 5/8" 5 1/2"	24# 14#	344 4187	225 SX 1450 SX	Circ.* Circ.*	11" 6 3/4"	4024-4137 (G)	4-55		
25J	331 Exxon New Mexico State #8 1980' FSL & 1650' FEL	3668 DF	4110	4108	8 5/8" 5 1/2"	24# 14#	365 4110	200 SX 1500 SX	Circ.* Circ.*	11"** 7 7/8"**	4022-4098 (G)	2-58		
25N	241 Exxon New Mexico State #9 2310' FNL & 990' FSL	3672 GL	4240	4239	8 5/8" 5 1/2"	24# 17#	350 4240	225 SX 1700 SX	Circ.* Circ.*	11" 7 7/8"	4160-4238 (G)	7-58		
29I	431 Getty Grimes #3 2310' FSL & 330' FEL	3653 GL	4234		15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# 15.5#	228 2720 3900 3209/4229	200 SX 600 SX 300 SX 120 SX	Circ.* 978* 2086* 3209*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4155-4225 (SA)	10-30	10-48 (Rec.)	
29H	421 Getty Grimes #4 2310' FNL & 330' FEL	3647 GL	4236		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# -	220 2720 3590 3796/4236	200 SX 600 SX 300 SX 50 SX	Circ.* 518* 2066* 3796*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4160-4232 (SA)	12-30	8-49 (Rec.)	
19O	321 Getty Hardin #1 2310' FNL & 2310' FEL	3662 GL	4260	4244	13 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# -	219 2760 3952 3809/4244	200 SX 600 SX 300 SX 100 SX	Circ.* 1018* 2138* 3809*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4180-4260 (SA)	9-30	9-71 (Rec.)	Casing Leak in 7" 5-58
19N	421 Getty Hardin #2 2310' FNL & 1305' FEL	3665 GL	4240	4135	12 1/2" 9 5/8" 7"	50# 36# 24#	217 2743 3948	200 SX 600 SX 300 SX	Circ.* 541* 2134*	16"** 11 3/4"** 8 3/4"**	3948-4135 (G)	11-30		Casing Leak in 7" 8-70
19B	111 Getty Hardin #3 1309' FNL & 2310' FEL	3647 GL	4222	4097	12 1/2" 9 5/8" 7"	50# 36# 24#	217 2750 3952	200 SX 600 SX 300 SX	Circ.* 548* 2138*	16"** 11 3/4"** 8 3/4"**	3952-4086 (G) 4086-4097 (SA)	11-30		

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elevs.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
19A	411 Getty Hardin #4 1300' FNL & 1300' FEL	3642 DF	4342	4335	12 1/2" 7" 4 1/2" Lnr.	50# 36# -	226 3966 3867/4342	200 SX 700 SX 100 SX	Circ.* Circ.* 3567*	18 1/4" 8 3/4"** 6 1/4"**	3931-4108 (G) 4128-4306 (SA)	2-33	
30C	321 Getty McKinley #1 2310' FNL & 2310' FEL	3654 GL	4200		13 1/2" 9 5/8" 7" 5"	50# 36# 24# -	245 2755 3854 4200	200 SX 600 SX 250 SX 405 SX	Circ.* 553* 2342* Circ.	16"** 11 3/4"** 8 3/4"** 7"**	4030-4060 (G) 4130-4170 (SA)	7-30	7-54 (Rec.)
30I	421 Getty McKinley #2 2310' FNL & 990' FEL	3648 GL	4202		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 13#	251 2356 3858 4202	200 SX 600 SX 250 SX 450 SX	Circ.* 556* Circ. Circ.	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4114-4150 (SA)	7-30	5-57 (Rec.)
30B	311 Getty McKinley #4 330' FNL & 2310' FEL	3658 DF	4219		12 1/2" 9 5/8" 7"	50# 36# 24#	245 2753 3998	200 SX 600 SX 250 SX	Circ.* 551* 2486*	16"** 11 3/4"** 8 3/4"**	3998-4050 (G) 4060-4219 (SA)	8-30	
30A	411 Getty McKinley #5 330' FNL & 330' FEL	3659 DF	4223	4126	12 1/2" 9 5/8" 6 5/8"	50# 40# 24#	247 2756 4062	250 SX 600 SX 250 SX	Circ.* 554* 2318*	18"** 11 3/4"** 8 1/4"**	4062-4102 (G) 4102-4124 (SA)	12-32	
30A	412 Getty McKinley #11 760' FNL & 550' FEL	3659 DF	7108	7065	13 3/8" 9 5/8" 7"	- 40# 23, 26#	329 3848 7106	400 SX 1200 SX 865 SX	Circ.* 365* 1875*	17 1/2" 12 1/4" 8 3/4"	4009-4083 (G)	1-70	5-72 (Rec.)
14M	421 Getty State B #1 2310' FNL & 330' FEL	3681 DF	4368	4180	10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	221 1734 4019	225 SX 500 SX 125 SX	Circ.* Circ.* 1655*	13 1/2"** 9 5/8"** 6 1/4"**	4019-4180 (G)	1-36	
14G	321 Getty State B #2 2310' FNL & 1650' FEL	3698 DF	4225	4220	9 5/8" 5 1/2"	25.4# 15.5#	334 4274	325 SX 600 SX	Circ. 2595	11" 7 7/8"	4208-4232 (G)	12-59	
31F	221 Getty Fowler #2 2200' FNL & 2310' FWL	3646 GL	4215		12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	208 2796 3964 4215	300 SX 600 SX 450 SX 325 SX	Circ.* 1328* 1243* 363*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4104-4120 (G) 4128-4140 (SA)	11-30	
26A	411 Getty Hobbs B #1 330' FNL & 330' FEL	3679 DF	4276		8 5/8" 5 1/2"	24# 14#	393 4256	200 SX 400 SX	Circ. 2157*	11" 7 7/8*	4163-4199 (G) 4214-4276 (SA)	10-56	
20D	111 Getty McKinley #1 330' FNL & 330' FWL	3662 DF	4365		12 1/2" 9" 7" 5" 3 1/2" Lnr.	50# 34# 24# - -	213 2796 4040 4238 3977/4364	200 SX 500 SX 200 SX 395 SX 50 SX	Circ.* 1335* 2831* Circ. 3977*	16"** 11 3/4"** 8 3/4"** 6 1/4"** 4 3/4"**	4266-4270 (SA)	10-32	
17M	141 Getty State A #1 660' FSL & 330' FWL	3664 DF	4260	4198	12 1/2" 7"	50# 24#	212 4056	175 SX 400 SX	Circ.* 1637*	16"** 9 3/4"**	4056-4198 (G)	3-33	
34F	221 Getty Turner #1 1980' FNL & 1680' FWL	3637 GL	4222		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	220 2780 3974 4221	200 SX 700 SX 300 SX 340 SX	Circ.* 1000 1823* Circ.	16"** 11 3/4"** 8 1/2"** 6 1/4"**	4102-4157 (SA)	9-32	
34C	211 Getty Turner #2 660' FNL & 1630' FWL	3642 GL	4213		12 1/2" 7" 5 1/2"	50# 24# 15.5#	240 4012 4211	175 SX 400 SX 340 SX	Circ.* 1593* Circ.	16"** 8 3/4"** 6 1/4"**	4168-4202 (SA)	7-34	
31C	211 Getty Fowler #1 440' FNL & 2310' FWL	3651 DF	4215	4200	12 1/2" 9 5/8" 7" 5"	50# 36# 24# -	266 2750 3973 4210	185 SX 400 SX 450 SX 100 SX	Circ.* 1282* 1252* 3025*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4196 (SA)		
24H	422 Gulf Graham State A #1 2310' FNL & 330' FEL	3671 DF	4225		13 3/8" 9 5/8" 6 5/8"	54# 36# 24#	217 2806 4085	200 SX 600 SX 375 SX	Circ.* 1769* 1499*	16" 13 3/4" 8 1/4"	4085-4225 (SA)	9-30	
24A	412 Gulf Graham State A #2 330' FNL & 330' FEL	3673 DF	4217	4090	13 3/8" 9 5/8" 7"	54.5# 36# 24#	229 2790 3975	200 SX 600 SX 250 SX	Circ.* 1048* 2463*	17"** 12 1/4"** 8 3/4"**	3975-4062 (G) 4062-4090 (SA)	8-32	7-61 (TA)
24G	321 Gulf Graham State A #3 2310' FNL & 2310' FEL	3671 DF	4219		13 3/8" 9 5/8" 7"	54.5# 36# 24#	292 2746 3930	415 SX 350 SX 200 SX	Circ.* 1730* 2721*	17"** 12 1/4"** 8 3/4"**	3930-4055 (G) 4056-4219 (SA)		
24B	311 Gulf Graham State A #4 660' FNL & 1980' FEL	3674 DF	4290		13" 9 5/8" 6 1/4"	40# 36# 24#	281 1588 3976	225 SX 400 SX 320 SX	Circ.* 427* 2071*	16"** 12 1/4"** 8"**	4147-4290 (SA)	8-35	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elevs.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Sxs. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date	
24H	421 Gulf Graham State A #5 1980' FNL & 760' FEL	3558 GL	6107	5120	13 3/8" 8 5/8" 5 1/2"	48# 24, 32# 15.5#	408 3903 6106	400 SX 500 SX 385 SX	Circ. 2115* 4220	17 1/2" 11" 7 7/8"	4226-4262 (G)	6-69		
24A	411 Gulf Graham State A #6 990' FNL & 990' FEL	3676 DF	4283	4263	8 5/8" 5 1/2"	24# 15.5, 17#	322 4283	210 SX 265 SX	Circ. 2440	12 1/4" 7 7/8"	4238-4260 (SA)	7-70		
32F	221 Gulf Grimes A #2 1650' FNL & 2310' FWL	3644 GL	4155		12 1/2" 9 5/8" 7"	50# 36# 24#	207 2752 3943	- - -	- - -	16"** 11 3/4"** 8 3/4"**	3943-3922 (G) 3922-4155 (SA)	8-30		
32C	211 Gulf Grimes A #7 990' FNL & 2310' FWL	3638 GL	4153		13 3/8" 9 5/8" 7"	54.5# 36# 24#	216 2739 3860	230 SX 600 SX 300 SX	Circ.* 991* 2046*	17"** 12 1/4"** 8 3/4"**	3966-4153 (SA)	4-31		
32E	112 Gulf Grimes A #8 1370' FNL & 330' FWL	3642 DF	4199		15 1/2" 9 5/8" 7"	70# 36# 24#	245 2757 3954	200 350 200	Circ.* 1741* 2745*	18"** 12 1/4"** 8 3/4"**	3954-4017 (G) 4017-4199 (SA)	6-34		Casing leaks in 4-54
32D	111 Gulf Grimes A #10 660' FNL & 660' FWL	3646 GL	4250	4239	9 5/8" 7" 4 1/2"	36# 23# 11.6#	306 3120 4249	175 SX 600 SX 110 SX	Circ. 1520(TS) 3130(TS)	12 1/4" 8 3/4" 6 3/4"	4188-4213 (SA)	12-47	6-71 (Rec.)	
32L	121 Gulf Grimes A #19 1730' FNL & 330' FWL	3647 DF	6051	5665	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	362 3811 6050	300 SX 500 SX 455 SX	Circ.* 2023* 3663*	17"** 11"** 7 7/8"**	4158-4230 (SA)	5-69	2-75 (Rec.)	
32K	231 Gulf Grimes A No. 2 #3 2310' FSL & 2310' FWL	3632 GL	4230	4230	15 1/2" 9 5/8" 7" 4 1/2" Lnr.	70# 36# 24# 9.5#	207 2238 3946 3701/4194	200 SX 600 SX 300 SX 90 SX	Circ.* 996* 2132* 3701*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4109-4230 (SA)	8-30		
32M	141 Gulf Grimes A No. 2 #5 330' FSL & 330' FWL	3637 DF	4192		13 3/8" 9 5/8" 7" 5 1/2" Lnr.	- 36# 26# -	257 2797 3908 3840/4192	- - - -	- - - -	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4158-4175 (SA)	9-30		
32L	131 Gulf Grimes A No. 2 #9 2310' FSL & 330' FWL	3639 GL	4250	4250	13 3/8" 9 5/8" 7" 4 1/2" Lnr.	54# 36# 24# 9.5#	212 2740 3966 3813/4250	200 SX 350 SX 150 SX 65 SX	Circ.* 1724* 3059* 3813*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4219-4237 (SA)	9-36	12-72 (Rec.)	
32N	241 Gulf Grimes A No. 2 #15 990' FSL & 2310' FWL	3638 GL	4110	4110	13 3/8" 7"	48# 23#	328 4094	325 SX 1300 SX	Circ.* Circ.*	17"** 8 3/4"**	4094-4105 (SA)	5-69		
32K	232 Gulf Grimes A, No. 2 #10 1980' FSL & 330' FWL	3628 GL	6020	4201	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	383 3829 6019	325 SX 500 SX 500 SX	Circ.* 2041* 3685(TS)	17 1/2"** 11"** 7 7/8"**	4100-4210 (SA)	4-69	3-76 (Rec.)	
33I	431 Gulf Grimes B #1 1920' FSL & 660' FEL	3640 DF	4190	4131	13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54# 36# 24# 15.5#	231 4148 3940 3908/4190	200 SX 600 SX 225 SX 40 SX	Circ.* 999* 2579* 3908*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4088-4109 (SA)	11-31	8-71 (Rec.)	
33H	421 Gulf Grimes B #2 1980' FNL & 860' FEL	3642 DF	4166		13 3/8" 9 5/8" 6 5/8" 5 1/2"	54# 36# 24# 14#	221 2761 3959 3911/4166	175 SX 500 SX 250 SX 40 SX	Circ.* 1310* 2684* 3911*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4100-4163 (SA)	10-32		
33B	311 Gulf Grimes B #3 330' FNL & 2310' FEL	3652 GL	4221		13 3/8" 9 5/8" 7" 5 1/2"	54.5# 36# 24# -	292 2745 3930 4086	200 SX 350 SX 250 SX 35 SX	Circ.* 1730* 2618* 4086*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4086-4221 (SA)	8-34		
33A	411 Gulf Grimes B #4 660' FNL & 660' FEL	3642 GL	4175		13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54.5# 36# 24# 14# FJ	285 2739 3970 3919/4175	200 SX 350 SX 150 SX 40 SX	Circ.* 1723* 3063* 3919*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4077-4175 (SA)	11-34	5-75 (Rec.)	
21H	141 Gulf Grimes C #1 330' FSL & 330' FWL	3650 GL	4219	4182	13 3/8" 8 1/4"	54.5# 32#	270 4067	200 SX 650 SX	Circ.* 2097*	17"** 11"**	4067-4166 (G) 4164-4182 (SA)	1-35		
21N	241 Gulf Grimes C #2 1330' FSL & 1650' FWL	3646 GL	4225	4210	13" 7" 5 1/2"	48# 24# -	281 4109 4221	225 SX 1300 SX 250 SX	Circ.* Circ.* Circ.*	16"** 8 3/4"** 6 1/4"**	4176-4203 (SA)	10-35		

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elevs.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
21L	13L Gulf Grimes C #3 1650' FSL & 330' FWL	3657 DF	4235		13" 7"	48# 24#	295 4106	250 SX 1300 SX	Circ.* Circ.*	16"** 8 3/4"**	4106-4205 (G) 4205-4235 (SA)	12-35	
18O	34J Gulf Hardin #1 330' FSL & 2310' FEL	3668 DF	4221	4052	13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54.5# 36# 24# 15.5#	228 2816 4024 3975/4221	180 SX 500 SX 250 SX 80 SX	Circ.* 1365* 2511* 3975*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4005-4052 (G)	11-32	3-67 (TA)
18P	44L Gulf Hardin #2 330' FSL & 990' FEL	3665 DF	4253		13 3/8" 8 5/8"	54.5# 32#	216 4022	200 SX 500 SX	Circ.* 2234*	17"** 11"**	4022-4120 (G) 4110-4253 (SA)	2-33	
18I	43L Gulf Hardin #3 1980' FSL & 660' FEL	3671 DF	4200		8 5/8" 5 1/2"	24# 14#	428 4199	325 SX 1600 SX	Circ.* Circ.*	11" 7 7/8"	4094-4156 (G)	9-57	
18G	32L Gulf Hardin #4 1980' FNL & 1980' FEL	3670 DF	4170	4165	8 5/8" 4 1/2"	24# 9.5#	433 4165	350 SX 1400 SX	Circ.* Circ.*	12 1/4" 7 7/8"	4064-4112 (G)	3-59	
18J	33L Gulf Hardin #5 1980' FSL & 1980' FEL	3675 DF	4170	4165	8 5/8" 4 1/2"	24# 9.5#	320 4170	310 SX 1027 SX	Circ. 1710	12 1/4" 7 7/8"	4052-4107 (G)	5-59	
18H	42L Gulf Hardin #6 1880' FNL & 660' FEL	3673 DF	4177	4172	8 5/8" 4 1/2"	24# 9.5#	305 4177	300 SX 350 SX	Circ. 2799	12 1/4" 6 3/4"	4139-4168 (G)	9-59	
18B	31L Gulf Hardin #7 990' FNL & 2310' FEL	3680 DF	4200	4194	8 5/8" 4 1/2"	24# 9.5#	322 4200	200 SX 373 SX	Circ. 3318	12 1/4" 7 7/8"	4165-4186 (G)	9-60	
18A	41L Gulf Hardin #8 990' FNL & 990' FEL	3681 DF	4270	4257	8 5/8" 4 1/2"	24# 9.5#	315 4270	175 SX 305 SX	Circ.* 2262*	12 1/2" 6 3/4"	4224-4246 (G)	5-62	
18O	34L Gulf Hardin #9 580' FSL & 2310' FEL	3672 DF	4340	4207	8 5/8" 5 1/2"	24# 14#	295 4339	275 SX 285 SX	Circ. 2525	11" 7 7/8"	3999-4040 (G)	8-71	
36C	21L Gulf Holt (NCT-D) #1 330' FNL & 2310' FWL	3670 GL	4275		8 5/8" 5 1/2"	24# 14#	434 4275	325 SX 400 SX	Circ.* 2223*	11" 7 7/8"	4242-4272 (G)	6-57	1-75 (TA)
14N	24L Gulf Lea Fo State #1 660' FSL & 2310' FWL	3697 DF	4300	4230	8 5/8" 5 1/2"	24# 14#	425 4299	300 SX 2000 SX	Circ.* Circ.*	11" 7 7/8"	4148-4220 (G)	5-58	
30K	23L Marathon State 30 #1 2310' FSL & 2310' FWL	3662 DF	4209	4198	20" 9 5/8" 7" 5"	90# 40# 24# 15#	215 2750 3930 4200	75 SX 400 SX 550 SX 60 SX	67* 1589* 604* 3190	22"** 12 1/4"** 8 3/4"** 6 1/4"**	4134-4160 (G)	7-30	8-59 (Rec.)
30N	24L Marathon State 30 #2 440' FSL & 2310' FWL	3669 DF	4291	4190	12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	294 2750 3900 4167	275 SX 550 SX 275 SX 60 SX	Circ. 1154* 2237* 3456*	16"** 12 1/4"** 8 3/4"** 6 1/4"**	4167-4190 (G)	9-30	
30L	13L Marathon State 30 #3 2310' FSL & 330' FWL	3665 DF	4283	4098	12 1/2" 9 5/8" 7" 5" Lnr.	50# 40# 24# 15#	243 2751 3900 4207	225 SX 550 SX 350 SX 50 SX	Circ.* 733* 1783* 3760	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4053-4077 (G)	10-30	9-72 (Rec.)
30M	14J Marathon State 30 #9 990' FSL & 990' FWL	3653 DF	4273	4227	10 3/4" 5 1/2"	32.75# 15.5#	368 4273	200 SX 3000 SX	Circ. Circ.	13 3/4" 8 3/4"	4084-4114 (G)	10-55	
32P	44L Marathon State 32 #2 660' FSL & 660' FEL	3634 GL	4244		12 1/2" 9 5/8" 7" 5"	50# 40# 24# 15#	188 2350 3971 4234	125 SX 400 SX 250 SX 60 SX	Circ.* 1222* 2459* 3500	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4234-4244 (SA)	8-30	
32I	43L Marathon State 32 #3 330' FEL & 2310' FSL	3643 GL	4245	4233	12 1/2" 9 5/8" 7" 5"	50# 40# 24# 15#	205 2750 3968 4244	225 SX 475 SX 350 SX 65 SX	Circ.* 1007* 1851* 3378*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4190-4220 (G)	6-30	
32J	33L Marathon State 32 #4 2310' FSL & 2310' FEL	3642 GL	4247	4243	15 1/2" 9 5/8" 7" 5"	10# 40# 24# -	300 2750 3940 4247	250 SX 300 SX 350 SX 75 SX	Circ.* 915* 1823* 3358*	18"** 11 3/4"** 8 3/4"** 6 1/4"**	4184-4224 (SA)	9-30	6-75 (TA)

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
32O	341 Marathon State 32 #5 330' FSL & 2310' FEL	3636 GL	4236	4234	16" 9 5/8" 7" 5"	65.3# 40# 24# 15#	221 2150 3925 4235	250 SX 556 SX 223 SX 120 SX	Circ.* 1136* 2564* 2813*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4200-4230 (SA)	10-30	
34H	421 Moran Hobbs #1 2485' FNL & 1184' FEL	3630 GL	4303	4264	8 5/8" 4 1/2"	24# 11.6#	312 4303	250 SX 500 SX	Circ. 2620(TS)	12 1/4" 7 7/8"	4236-4250 (G)	1-62	
17E	121 Moran State F 17 #1 2310' FNL & 330' FWL	3670 DF	4236	4234	8 5/8" 4 1/2"	14# 11.6#	256 4236	200 SX 544 SX	Circ.* 2065*	12 1/4" 7 7/8"	4182-4216 (G)	12-61	
21E	121 C&C Shipp A #1 1650' FNL & 990' FWL	3691 DF	4308	4248	8 5/8" 5 1/2"	24# 14#	321 4248	175 SX 425 SX	Circ. 2210	11 1/4" 7 7/8"	4063-4308 (G)	12-59	
31D	111 Sun Fowler #1 440' FNL & 330' FEL	3651 DF	4224		- - 7"	- - 24#	- - 3966	- - 425 SX	- - 1396*	- - 8 3/4"**	3964-4132 (G) 4132-4224 (SA)	10-30	
31E	121 Sun Fowler #4 1980' FNL & 990' FWL	3655 DF	4189		9 5/8" 7"	36# 23#	1620 4075	800 SX 400 SX	Circ. 2608	12 1/4" 8 3/4"	4075-4189 (G)	4-49	
28G	321 Samedan Moon A #1 2310' FNL & 2310' FEL	3647 DF	4200	4200	12 1/2" 7"	50# 24#	2591 4000	150 SX 500 SX	2323* 976*	16"** 8 3/4"**	4000-4126 (G) 4126-4200 (SA)	2-35	
28A	311 Samedan Moon A #2 1315' FNL & 330' FWL	3650 DF	4217	4217	12 1/2" 7"	50# 22#	235 4103	150 500 SX	Circ.* 1079*	16"** 8 3/4"**	4103-4162 (G) 4162-4217 (SA)	7-35	
28H	421 Samedan Moon B #1 2310' FNL & 1120' FEL	3648 GL	4216	4216	12 1/2" 7"	50# 22#	235 4020	150 SX 500 SX	Circ.* 996*	16"** 8 3/4"**	4020-4140 (G) 4140-4216 (SA)	5-35	
28A	411 Samedan Moon B #2 330' FNL & 1120' FEL	3645 GL	4225	4225	12 1/2" 7"	50# 22#	227 4133	160 SX 750 SX	Circ.* Circ.*	16"** 8 3/4"**	4133-4175 (G) 4175-4225 (SA)	4-36	
25F	221 Samedan State B #1 1980' FNL & 2310' FWL		4343	4153	12 1/2" 7"	50# 22#	205 4039	175 SX 500 SX	Circ.* 1015*	16"** 8 3/4"**	4039-4153 (G)	11-37	
25E	121 Samedan State B #2 1650' FNL & 990' FWL	3667	4261		8 5/8" 5 1/2"	24# 14#	287 4260	250 SX 250 SX	Circ. 2930	12 1/4" 7 7/8"	4140-4236 (G)	1-58	
24N	241 Samedan State C #1 330' FSL & 2310' FWL	3675 DF	4188		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 13#	215 2840 3930 3865/4188	150 SX 175 SX 150 SX 39 SX	Circ.* 2198* 3023* 3865*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4155-4165 (SA)	3-34	
24K	231 Samedan State C #2 1980' FSL & 1980' FWL	3679 DF	4171		17 1/2 9 5/8" 7" 5" Lnr.	50# 36# 24# 13#	199 2823 3966 3917/4171	150 SX 200 SX 150 SX 50 SX	Circ.* 2089* 3059* 3917*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4140-4150 (SA)	6-34	
24L	131 Samedan State C #3 2310' FSL & 1315' FWL	3679 DF	4200		12 1/2" 7" 5" Lnr.	50# 22# 13#	219 4002 3942/4200	150 SX 500 SX 40 SX	Circ.* 720* 3942*	17 1/2" 8 5/8" 6 1/4"**	4135-4145 (SA)	4-35	
24M	141 Samedan State C #4 1315' FSL & 1315' FWL	3674 DF	4218		12 1/2" 7" 5" Lnr.	50# 22# 13#	211 4035 3962/4218	175 SX 800 SX 36 SX	Circ.* Circ.* 3962*	16"** 8 3/4"** 6 1/4"**	4190-4200 (SA)	10-35	
34J	331 Samedan Turner A #1 1980' FSL & 2310' FEL	3630 GL	4215		12 1/2" 7" 5"	50# 22# 13#	254 4055 4214	200 SX 500 SX 370 SX	Circ.* 1031* Circ.*	16"** 8 3/4"** 6 1/4"**	4136-4144 (SA) 4176-9764198-4202 below pkr.; not producing	3-35	
34O	341 Samedan Turner A #2 1320' FSL & 2310' FEL	3620 GL	4204		12 1/2" 7" 5"	50# 22# 13#	254 4066 4194	150 SX 500 SX 370 SX	Circ.* 1042* Circ.*	16"** 8 3/4"** 6 1/4"**	4136-4141 (SA)	5-35	
34I	431 Samedan Turner B #1 1640' FSL & 1190' FEL	3630 GL	4241		12 1/2" 7"	45# 22#	200 4063	200 SX 800 SX	Circ.* 1008*	17 1/2" 9 5/8"	4063-4214 (G) 4214-4241 (SA)	3-38	
34P	441 Samedan Turner B #2 400' FSL & 1190' FEL	3620 GL	4233		9 5/8" 5 1/2"	36# 14#	190 4150	102 SX 350 SX	Circ.* 2890*	12" 8 3/4"	4150-4204 (G) 4204-4233 (SA)	6-44	

N. Hobbs (G/SA) Unit Well No.

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31P	441 Shell Berry #1 330' FSL & 330' FEL	3635 GL	4220	4211	12 1/2" 9" 6 5/8" 5" Lnr.	50# 36# 26# 11.5#	242 2800 3975 3930/4219	200 SX 600 SX 200 SX 100 SX	Circ.* 1047* 2596* 3930*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	4122-4211 (SA)	9-30	8-46 (Rec.)
31J	331 Shell Berry #2 2200' FSL & 2310' FEL	3642 GL	4210	4207	12 1/2" 9 5/8" 7"	50# 36# 24#	238 2800 3941	200 SX 600 SX 225 SX	Circ.* 598* 2580*	16"** 11 3/4"** 8 3/4"**	3941-4100 (G) 4100-4207 (SA)	11-30	
31I	431 Shell Berry #3 2970' FNL & 330' FEL	3641 GL	4225		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	253 2166 3962 3923/4224	150 SX 150 SX 250 SX 100 SX	98* 2216* 2450* 3923*	16" 11 3/4"** 8 3/4"** 6 1/4"**	4159-4214 (SA)	7-34	
310	341 Shell Berry #4 1315' FSL & 1325' FEL	3640 GL	4229	4224	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	251 1526 3980 3880/4229	150 SX 200 SX 250 SX 100 SX	53* 792* 2459* 4229*	17" 11 3/4"** 8 3/4"** 6 1/4"**	4161-4224 (SA)	8-46	
28H	141 Shell Grimes #1 330' FSL & 330' FWL	3647 GL	4232		12 1/2" 9 5/8" 7" 5"	50# 36# 24# 15#	236 2350 3960 4228	200 SX 600 SX 225 SX 125 SX	Circ.* 548* 2599* 2746*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4125-4225 (SA)	9-30	
28L	131 Shell Grimes #2 2310' FSL & 330' FWL	3649 GL	4234	4232	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	238 2751 5973 3932/4233	200 SX 600 SX 225 SX 100 SX	Circ.* 549* 3612* 3932*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4190-4230 (SA)	9-30	1-46 (Rec.)
28K	231 Shell Grimes #3 1325' FSL & 1325' FWL	3651 GL	4231	4228	15 1/.. 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# 15.5#	246 2750 3955 3918/4230	150 SX 150 SX 250 SX 100 SX	Circ.* 2315 2443* 3918*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4150-4223 (SA)	11-33	
28N	241 Shell Grimes #4 330' FSL & 2310' FWL	3646 GL	4230	4225	12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	256 2270 3935 4229	150 SX 150 SX 250 SX 100 SX	Circ.* 2220* 2423* 2338*	16" 11 3/4"** 8 3/4"** 6 1/4"**	4004-4010 (SA)	9-34	
28L	132 Shell Grimes #10 1880' FSL & 750' FWL	3658 DF	7150	5810	13 3/4" 9 5/8" 7" Lnr.	48# 36# 23#	352 3816 3611/7143	200 SX 1400 SX 685 SX	Circ. Circ.* 3611	17 1/2" 12 1/4" 8 3/4"	4210-4264 (SA)	10-69	
19H	141 Shell McKinley A #1 330' FSL & 330' FEL	3663 DF	4248	4244	12 1/2" 9" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	218 2783 3880 3810/4247	300 SX 500 SX 500 SX 100 SX	Circ.* 1323* 856* 3810*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4144-4240 (SA)	6-30	
190	341 Shell McKinley A #2 2310' FEL & 330' FSL	3658 DF	4246		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	226 2750 3975 3937/42..5	200 SX 600 SX 225 SX 100 SX	Circ.* 5488 2614* 3937*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4155-4216 (SA)	7-30	
19A	441 Shell McKinley A #3 330' FSL & 330' FEL	3657 DF	4242	4240	13 3/8" 9" 6 5/8" 5" Lnr.	70# 34, 40# 24# 13#	221 2775 3982 3949/4241	200 SX 600 SX 200 SX 100 SX	Circ.* 1022* 2603* 3949*	18"** 11 3/4"** 8 1/4"** 6 1/4"**	4185-4236 (SA)	12-32	9-46 (Rec.)
19H	241 Shell McKinley A #4 330' FSL & 2310' FWL	3661 DF	4247	4244	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	246 2350 3975 3936/4246	200 SX 600 SX 225 SX 100 SX	Circ.* 548* 2614* 3936*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4144-4230 (SA)	9-30	
19J	331 Shell McKinley A #5 2310' FSL & 2310' FEL	3661 DF	4256	4250	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	255 2750 3975 3923/4255	200 SX 600 SX 215 SX 23 SX	Circ.* 548* 2615* 3923*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4148-4210 (SA)	9-30	
19K	231 Shell McKinley A #6 2310' FSL & 2310' FWL	3663 DF	4247	4244	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	239 2350 3975 3931/4246	200 SX 600 SX 255 SX 100 SX	Circ.* 548* 2704* 3931*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4130-4235 (SA)	9-30	
19L	131 Shell McKinley A #7 2310' FSL & 330' FWL	3667 DF	4247		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	240 2774 3980 4247	300 SX 600 SX 225 SX 150 SX	Circ.* 572* 2619* 1410*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4106-4242 (SA)	9-30	
19I	431 Shell McKinley A #10 1650' FSL & 990' FEL	3663 DF	4286	4251	7 5/8" 4 1/2"	26.4# 10.5#	277 4285	200 SX 435 SX	Circ. Circ.	12 1/4" 6 1/4"	4197-4238 (SA)	7-68	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
19N	242 Shell McKinley A #11 420' FSL & 1980' FWL	3666 DF	7105	4334	13 3/8" 9 5/8" 5 1/2" Lnr.	48# 36# 15.5#	360 3194 3537/7103	360 SX 500 SX 950 SX	Circ. Circ. 3684*	17 1/2" 12 1/4 8 3/4"	4192-4197 (SA)	5-70	
20K	231 Shell McKinley B #1 2310' FSL & 1320' FWL	3657 DF	4210	4124	12 1/2" 9 5/8" 7"	50# 36# 24#	242 2810 4025	200 SX 600 SX 200 SX	Circ.* 608* 2816*	16"** 11 3/4"** 8 3/4"**	4025-4157 (G) 4157-4210 (SA)	10-30	3-65 (TA)
20H	241 Shell McKinley B #2 330' FSL & 2110' FWL	3652 GL	4330	4283	12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	241 2855 3985 3805/4327	200 SX 600 SX 225 SX 100 SX	Circ.* 653* 2624* 3805*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4237-4266 (SA)	10-30	4-73 (Rec.)
20M	141 Shell McKinley B #3 330' FSL & 330' FWL	3657 DF	4252		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	223 2797 3980 3929/4228	200 SX 600 SX 200 SX 44 SX	Circ.* 595* 2771* 3929*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4210-4252 (SA)	11-32	
20K	232 Shell McKinley B #4 1325' FSL & 1325' FWL	3656 DF	4330	4280	15 1/2" 9 5/8" 7" 5" Lnr.	70# 36# 24# 15#	263 1615 4089 3853/4329	150 SX 75 SX 250 SX 55 SX	Circ.* 1393* 2577* 3851*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4230-4252 (SA)	7-33	
20L	131 Shell McKinley B #5 1650' FSL & 330' FWL	3662 DF	4276	4269	8 5/8" 5 1/2"	24# 15.5#	292 4266	300 SX 600 SX	Circ. 4226	12 1/4" 7 7/8"	4227-4254 (SA)	7-69	
13P	141 Shell Rice #1 330' FSL & 330' FEL	3673 DF	4258	4253	12 1/2" 9" 7" 5 1/2" Lnr.	50# 34# 24# 15.5#	228 2786 3920 3844/4257	200 SX 600 SX 250 SX 100 SX	Circ. 1199* 1473* 3942	18" 12" 8 1/8" 6 1/4"	4000-4046 (G) 4207-4243 (SA)	9-32	
13O	341 Shell Rice #2 660' FSL & 1980' FEL	3678 DF	4263	4259	12 1/2" 9 5/8" 7" 5" Lnr.	40# 36# 24# 15#	245 1612 3960 3745/4262	150 SX 200 SX 275 SX 110 SX	Circ.* 878* 2297* 3745*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4195-4247 (SA)	12-56	
13I	431 Shell Rice #3 1650' FSL & 990' FEL	3676 DF	4300	4282	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	264 1591 3960 3867/4299	220 SX 630 SX 160 SX 100 SX	Circ.* Circ.* 2992* 3867*	16" 12" 8 3/4" 6 1/4"	4223-4271 (SA)	12-35	
13J	331 Shell Rice #4 1980' FSL & 1980' FEL	3679 DF	4243	4090	8 5/8" 5 1/2"	32# 15.5#	318 4263	300 SX 1100 SX	Circ. Circ.*	12 1/4" 7 7/8"	3948-4084 (G)	7-57	
27M	141 Snell Sanger #1 289' FWL & 330' FSL	3644 GL	4229		12 1/2" 9 5/8" 7"	50# 36# 24#	275 1648 4060	250 SX 363 SX 250 SX	Circ.* 316* 2548*	16"** 11 3/4"** 8 3/4"**	4110-4185 (SA)	10-34	
27N	241 Shell Sanger #2 330' FSL & 1325' FWL	3643 GL	4228		12 1/2" 9 5/8" 7"	50# 40# 24#	230 1648 4060	750 SX 350 SX 250 SX	Circ.* 364* 2548*	17 1/2" 11 3/4"** 8 3/4"**	4060-4150 (G) 4150-4228 (SA)	2-35	
27L	131 Shell Sanger #3 1650' FSL & 412' FWL	3638 GL	4223		12 1/2" 9 5/8" 7"	50# 40.6# 28#	259 1645 4075	150 SX 200 SX 250 SX	31* 911* 2563*	16 1/2" 11 3/4"** 8 3/4"**	4075-4133 (G) 4133-4223 (SA)	6-35	
27E	421 Shell Sanger #4 2645' FSL & 412' FWL	3636 GL	4221		12 1/2" 9 5/8" 7"	50# 36# 24#	270 3205 4108	150 SX 515 SX 275 SX	Circ. Circ.* 2445*	17 1/2" 11 3/4"** 8 3/4"**	4108-4187 (G) 4187-4221 (SA)	6-36	
27K	231 Shell Sanger #5 1350' FSL & 1350' FWL	3639 GL	4222		12 1/2" 9 5/8" 7"	40# 36# 24#	274 1718 4093	150 SX 450 SX 250 SX	92* 412* 2581*	17 1/2" 12 1/4" 8 3/4"	4093-4209 (G) 4209-4239 (SA)	7-37	
27D	111 Shell Sanger #6 1200' FNL & 470' FWL	3641 GL	4360		8 5/8" 5 1/2"	24# 15.5#	347 4222	275 SX 450 SX	Circ. 1861*	12 1/4" 7 7/8"	4222-4260 (G) 4260-4360 (SA)	2-70	
32G	321 Shell State A #2 1650' FNL & 2310' FEL	3628 GL	4185	3048	12 1/2" 9" 6 5/8"	50# 34# 24#	230 2759 3950	Unknown Unknown Unknown	- - -	16"** 11 3/4"** 8 1/4"**	3950-3955 (G) 3955-4185 (SA)	8-30	
32H	421 Shell State A #3 2310' FNL & 330' FEL	3636 GL	4216	4210	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# .24# 15.5#	245 2155 3950 3916/4215	200 SX 600 SX 225 SX 125 SX	Circ.* 553* 2589* 3916*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4212-4218 (SA)	8-30	12-45 (Rec.)

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
22G	322 Shell State A #6 2310' FNL & 2310' FEL	3637 GL	4251	4187	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	243 2750 3960 3911/4217	200 SX 600 SX 225 SX 94 SX	Circ.* 548* 2599* 3911*	16" 11 3/4"** 8 3/4"** 6 1/4"**	4064-4078 (SA)	9-30	12-65 (Rec.)
33D	111 Shell State B #1 330' FNL & 330' FWL	3651 GL	4236	4230	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	240 2750 3968 3923/4236	200 SX 600 SX 225 SX 90 SX	Circ.* 548* 2607* 3923*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4201 (SA)	9-30	
33C	211 Shell State B #2 330' FNL & 2310' FWL	3647 GL	4227	4225	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	296 2760 3930 3887/4226	150 SX 150 SX 250 SX 100 SX	284 2210* 2618* 3888*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4122-4132 (SA)	6-34	
24F	211 Shell State D #1 2310' FNL & 2310' FWL	3673 DF	4260	4223	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	225 2802 4030 3953/4259	150 SX 150 SX 250 SX 100 SX	Circ.* 2252* 2516* 3953*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4123-4220 (SA)	10-34	
24C	211 Shell State D #2 660' FNL & 1980' FWL	3675 DF	4260		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	251 1599 4010 3957/4260	150 SX 200 SX 250 SX 100 SX	Circ.* 865* 2498* 3952*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4090-4101 (SA) 4161	3-35	
23G	321 Shell State F #2 1650' FNL & 1650' FEL	3688 DF	4245	4182	8 5/8" 5 1/2"	32# 15.5#	309 4265	300 SX 1355 SX	Circ. Circ.	12 1/4" 7 7/8"*	4106-4138 (G)	7-57	
23B	311 Shell State F #3 330' FNL & 1650' FEL	3686 DF	4126	4124	8 5/8" 5 1/2"	32# 15.5#	300 4126	300 SX 730 SX	Circ.* 2964	11"** 7 7/8"**	3932-4119 (G)	8-57	
34G	321 Shell Turner #1 330' FSL & 330' FWL	3635 GL	4220		12 1/2" 8 5/8" 6 5/8"	50# 32# 24#	276 1677 4065	150 SX 250 SX 250 SX	Circ.* 7836 2341*	16" 11"** 8 1/4"**	4065-4140 (G) 4140-4220 (SA)	4-35	
34B	311 Shell Turner #2 1605' FSL & 330' FWL	3641 GL	4241		12 1/2" 9 5/8" 7"	50# 36# 24#	282 1700 4134	150 SX 625 SX 300 SX	Circ.* Circ.* 2320*	16" 11 3/4"** 8 3/4"**	4136-4241 (SA)	9-35	
20J	331 Bill Sweet Bowers B #2A 1650' FSL & 2010' FEL	3654 GL	4202		8 5/8" 5 1/2"	40# 15.5#	252 4130	150 SX 600 SX	Circ. 982*	11"** 7 7/8"**	4138-4202 (SA)	3-54	
20I	431 C. H. Sweet Grimes #1A 1650' FSL & 660' FEL	3644	4253	4246	8 5/8" 5 1/2"	15.5# 17#	305 4252	150 SX 300 SX	Circ. 956*	11" 6 3/4"	4207-4215 (SA)	6-52	8-75 (TA)
20I	432 C. H. Sweet Grimes #1A 1850' FSL & 990' FEL	3655 GL	4210	4206	10 3/4" 7"	40# 23#	267 4050	150 SX 600 SX	Circ. 2673	15" 9 5/8"	4050-4210 (G)	1-54	1-75 (TA)
20H	421 C. H. Sweet McKinley B #2 2310' FNL & 990' FEL	3654 GL	4414		8 5/8" 5 1/2"	28# 15.5#	302 4278	150 SX 200 SX	Circ. 2952	11" 6 3/4"	4352-4356 (SA)	5-52	
23A	411 C. H. Sweet State F #1A 330' FNL & 330' FEL	3686 DF	4115	4073	8 5/8" 5 1/2"	23.7# 15.5#	334 3915	225 SX 35 SX	Circ. 3406	11" 6 3/4"	3915-4073 (G)	6-51	8-63 (TA)
23H	421 C. H. Sweet State F #2A 1650' FNL & 330' FEL	3685 DF	4158		8 5/8" 5 1/2"	23.7# 15.5#	334 3997	125 SX 175 SX	Circ.* 2367*	11" 6 3/4"	4000-4165 (G) 4165-4158 (SA)	7-51	
23I	431 C. H. Sweet State F #3 2310' FSL & 330' FEL	3681 DF	4192		8 5/8" 5 1/2"	24.7# 15.5#	252 3993	125 SX 300 SX	Circ. 1922*	12" 7 3/8"	3993-4152 (G) 4152-4191 (SA)	1-53	
20A	412 C. H. Sweet State F #4 990' FNL & 990' FEL	3682 DF	4206		8 5/8" 5 1/2"	- -	240 3990	125 SX 250 SX	Circ.* 2010*	11"** 7 7/8"**	[illegible] (G) 4142-4206 (SA)	8-52	
25A	411 Texaco New Mexico St. C #1 330' FNL & 330' FEL	3670 DF	4259	4250	12 1/2" 8 1/4" 6 1/4" 4 1/2" Lnr.	50# 32# 26# 11.6#	220 2750 3969 3869/4257	200 SX 600 SX 200 SX 50 SX	Circ.* 2362* 2463* 4188	16"** 11 3/4"** 7 5/8"** 5 3/4"	4180-4223 (SA)	8-30	
25H	421 Texaco New Mexico St. C #2 2310' FNL & 330' FEL	3671 DF	4210	4074	12 1/2" 9" 7"	50# 34# 24#	220 2763 3932	175 SX 600 SX 200 SX	Circ.* 1010* 2698*	16"** 11 3/4"** 8 1/2"**	3932-4074 (G)	9-30	
25G	321 Texaco New Mexico St. C #3 1980' FNL & 1980' FEL	3670 DF	4268		12 1/2" 9" 7" 4 1/2" Lnr.	50# 34# 24# 11.6#	222 2350 3937 3803/4267	200 SX 600 SX 200 SX 75 SX	Circ.* 992* 2503* 3803*	16"** 11 3/4"** 8 1/2"** 6 1/4"**	3988-4086 (G)		

**Estimate

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
25B	311 Texaco New Mexico St. C #4 330' FNL & 1980' FEL	3672 GR	4232	4122	12 1/2" 9" 7"	50# 36# 24#	220 2756 3912	200 SX 600 SX 200 SX	Circ.* 1001* 2183*	16"** 11 3/4"** 8 1/4"**	3932-4076 (G)	3-33	
24P	441 Texas Pac. State C #1 330' FSL & 330' FEL	3668 DF	4214		20" 13" 9" 7"	90# 50# 36# 24#	105 1521 2815 3850	125 SX 300 SX 700 SX 200 SX	Circ.* Circ. 2720* 2131*	22"** 15 1/2"** 11 3/4"** 8 1/4"**	3885-4048 (G) 4048-4214 (SA)	7-30	
24I	431 Texas Pac. State C #2 990' FSL & 330' FEL	3670 DF	4218		12 1/2" 9" 7"	50# 36# 24#	221 2782 3951	180 SX 510 SX 250 SX	Circ.* 1292* 2439*	15 1/2"** 11 3/4"** 8 3/4"**	3750-4045 (G) 4045-4218 (SA)	12-30	
24J	331 Texas Pac. State C #3 1320' FSL & 1325' FEL	3670 DF	4227		12 1/2" 9" 7"	50# 36# 24#	215 2810 3878	200 SX 400 SX 300 SX	Circ.* 1342* 2064*	16"** 11 3/4"** 8 3/4"**	3878-4060 (G) 4060-4227 (SA)	6-32	
24O	341 Texas Pac. State C #4 330' FSL & 990' FEL	3669 DF	4225		12 1/2" 9" 7"	50# 36# 24#	208 2810 3896	200 SX 400 SX 300 SX	Circ.* 1642* 2082*	16"** 11 3/4"** 8 1/4"**	3986-4042 (G) 4097-4213 (SA)	5-33	
14I	431 Texas Pac. State V #1 1650' FSL & 330' FEL	3690 DF	4162	4159	8 5/8" 5 1/2"	28# 14#	314 4162	300 SX 300 SX	Circ. 2558	12 1/4" 7 7/8"	4012-4134 (G)	1-58	
14J	331 Texas Pac. State V #2 1650' FSL & 1650' FEL	3691 DF	4325		8 5/8" 5 1/2"	28# 14#	328 4324	325 SX 300 SX	Circ.* 2350*	12 1/4" 7 7/8"	4108-4246 (G)	3-58	
23C	211 Texas Pac. State V #3 330' FNL & 2310' FWL	3689 DF	4296	4286	8 5/8" 5 1/2"	28# 14#	320 4296	325 SX 300 SX	Circ. 2905	12 1/4" 7 7/8"	4032-4212 (G)	2-59	
23F	221 Texas Pac. State V #4 1650' FNL & 2310' FWL	3689 DF	4306		8 5/8" 5 1/2"	28# 14#	332 4314	650 SX 300 SX	Circ.* 2740	12 1/4" 7 7/8"	4092-4236 (G)	3-59	
23K	231 Texas Pac. State V #5 2310' FSL & 2310' FWL	3690 DF	4330	4300	8 5/8" 5 1/2"	24# 15.5#	310 4330	350 SX 300 SX	Circ. 2630	12" 7 7/8"	4146-4256 (G)	6-59	
23N	241 Texas Pac. State V #6 990' FSL & 2310' FWL	3686 DF	4390	4380	8 5/8" 5 1/2"	24# 15.5#	339 4389	350 SX 300 SX	Circ.* 2815*	11" 7 7/8"	4119-4162 (G)	8-59	
21O	341 Wiser Morris A #1 330' FSL & 2310' FEL	3649 DF	4238		12 1/2" 7" 4 1/2"	50# 24# 9.5#	252 4066 4002	200 SX 468 SX 400 SX	Circ.* 1236* Circ.	16" 8 3/4" 6 1/4"**	4066-4202 (G) 4202-4238 (SA)	3-36	
21P	441 Wiser Morris B #1 230' FSL & 1090' FEL	3647 DF	4244		10 3/4" 7" 4 1/2"	36# 24# 9.5#	2259 4097 4022	175 SX 400 SX 400 SX	Circ.* 2014* Circ.	13 1/2"** 9"** 6 1/4"**	4080-4218 (G) 4218-4244 (SA)	11-37	
26B	311 Wiser State L #1 330' FNL & 1900' FEL	3685 DF	4329	4310	8 5/8" 4 1/2"	24# 11.6#	353 4329	225 SX 425 SX	Circ. 2770	12 1/4" 7 7/8"	4220-4284 (G)	10-35	
23P	441 Yates Shell State #1 330' FEL & 990' FSL	3681 DF	4225		8 5/8" 5 1/2"	24# 15.5#	311 4225	160 SX 1300 SX	Circ.* Circ.*	11"** 7 7/8"**	4124-4168 (G) 4206-4224 (SA)	1-56	
23J	331 Yates Shell State #2 1650' FEL & 2310' FSL	3687 DF	4283	4210	8 5/8" 5 1/2"	24# 14#	341 4282	180 SX 1200 SX	Circ.* Circ.*	11"** 7 7/8"**	4148-4194 (G) 4220-4236 (SA)	4-56	
23O	341 Yates Shell State #3 1650' FEL & 990' FSL	3683	4302		8 5/8" 5 1/2"	- -	352 4302	180 SX 350 SX	Circ. 3073	12 1/2" 7 7/8"	4144-4228 (G)	5-56	
1 14P	441 Eates (Yeager) State #1 660' FSL & 660' FEL	3690	4150	4132	8 5/8" 4 1/2"	24# 40#	350 4149	275 SX 350 SX	Circ. 2790	12 1/4" 7 7/8"	4030-4126 (G)	6-75	

OUTSIDE WELLS LOCATED WITHIN ONE-HALF MILE OF THE PROPOSED NORTH HOBBS UNIT BOUNDARY

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
34D	#1 660' FNL & 660' FWL	3641' DF	4246		16"	70#	224	100 SX	Circ.*	18"**	4080-4220 (G-SA)
					10 3/4"	45.5#	1647	350 SX	555*	13"**	4221-4246 (G-SA Open Hole)
					7"	24#	3976	150 SX	Circ.	8 7/8"**	
					5" Lnr.	18#	3872/4221	50 SX	3872	6 1/4"**	
34E	#2 660' FWL & 1980' FNL	3641' DF	4220		16"	70#	232	100 SX	Circ.*	18"**	4050-4218 (G-SA)
					10 3/4"	45.5#	2776	400 SX	1528*	13"**	
					8 5/8"	36#	3975	150 SX	Circ.	9 5/8"**	
					5 1/2" Lnr.	14#	3919/4220	188 SX	3919*	7 7/8"**	
					5 1/2"		Surf/3919				
34L	#3 1980' FSL & 560' FWL	3629' DF	4240		16"	70#	216	125 SX	Circ.*	18"**	4078-94 (G-SA)
					10 3/4"	45.5#	2748	400 SX	1500*	13"**	4220-40 (G-SA)
					8 5/8"	36#	3962	150 SX	Circ.	9 5/8"**	
					5 1/2" Lnr.	14#	3927/4222	75 SX	3927	7 7/8"**	
					5 1/2"		Surf/3927				
34K	#4 2004' FSL & 1740' FWL	3626' DF	4232		16"	70#	226	75 SX	42*	18"**	4045-4206 (G-SA)
					10 3/4"	40#	1637	75 SX	1403*	13"**	4211-4232 (G-SA Open Hole)
					8 5/8"	36#	3990	250 SX	1707*	9 5/8"**	
					5 1/2"	14#	4211	800 SX	740	7 3/8"	
33P	#5 660' FSL & 660' FEL	3631' DF	4241		16"	70#	209	125 SX	Circ.*	18"**	4063-4208 (G-SA)
					10 3/4"	45.5#	2752	400 SX	1504*	13"**	4220-4241 (G-SA Open Hole)
					8 5/8"	36#	3946	140 SX	1750	9 5/8"**	
					5 1/2"	14#	4220	300 SX	2543*	7 3/4"**	
34M	#6 653' FSL & 633 FWL	3622' GL	4241		16"	70#	196	75 SX	12*	18"**	4065-4207 (G-SA)
					10 3/4"	45.5#	2541	500 SX	981*	13"	4207-4241 (G-SA Open Hole)
					8 5/8"	36#	3985	250 SX	Circ.	9 5/8"	
					5 1/2" Lnr.	14#	3884/4207	750 SX	Circ.	7 7/8"**	
					5 1/2"		Surf/3884				

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
34N	#7	3613' DF	4218		16"	70#	200	75 SX	16*	18"**	4106-4190 (G-SA)
	1980' FWL & 660' FSL				10 3/4"	40#	1622	75 SX	1260*	12 1/4"	4199-4218 (G-SA Open Hole)
					8 5/8"	36#	3990	150 SX	Circ.	9 7/8"	
					5 1/2"	14#	4199	700 SX	729	7 7/8"**	
6D	#8	3643' GL	4272	4240	8 5/8"	22.7#	322	250 SX	Circ.	11"	4154-4220 (G-SA)
	330' FNL & 933' FWL				5 1/2"	14#	4272	650 SX	861*	7 7/8"	
6C	#9	3642' DF	4221	4191	15 1/2"	70#	200	175 SX	Circ.*	18"**	4062-4172 (G-SA)
	330' FNL & 2310' FWL				10 3/4"	40.5#	2777	400 SX	1777*	13 1/2"**	
					7"	24#	3926	250 SX	2414*	8 3/4"**	
					5" Lnr.	15#	3802/4221	100 SX	3802	6 1/4"**	
6B	#10	3638' DF	4108		13 3/8"	36#	362	300 SX	Circ.*	17 1/2"	3980-4074 (G-SA)
	480' FNL & 1650' FEL				5 1/2"	15.5#	4095	1250 SX	Circ.*	7 7/8"	4095-4108 (G-SA Open Hole)
6A	#11	3628' DF	4232		12 1/4"	-	214	75 SX	94*	16"**	4127-4214 (G-SA)
	330' FNL & 330' FEL				9 5/8"	-	2810	500 SX	975*	11 3/4"**	
					7"	24#	3968	300 SX	1999*	8 5/8"**	
					4 1/2" Lnr.	9.5#	3795/4232	80 SX	3795	6 1/4"**	
5D	#12	3629'DF	4201		16"	70#	185	75 SX	Circ.*	18"**	3974-4201 (G-SA Open Hole)
	330' FNL & 330' FWL				10 3/4"	45#	2782	350 SX	1907*	13 1/2"**	
					6 5/8"	26#	3974	150 SX	3209*	8 3/4"**	
					7"	20#	1700				
5C	#13	3628' DF	4230		16"	70#	162	55 SX	27*	18"**	4058-4173 (G-SA)
	330' FNL & 2360' FWL				10 3/4"	45.5#	2749	300 SX	1999*	13 1/2"**	4190-4230 (G-SA Open Hole)
					6 5/8"	26#	3920	150 SX	Circ.	8 3/4"**	
					5"	15#	4190	750 SX	Circ.*	6 1/4"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
5B	#14 2317' FEL & 334' FNL	3626' DF	4175	4172	13" 9 5/8" 7" 5 1/2"	50# 36# 26# 15.5#	201 2761 3930 4175	150 SX 500 SX 230 SX 50 SX	40* 1310* Circ. 2900	18" 12 1/4" 8 7/8" 6 1/4"	4100-4165 (G-SA)
5A	#15 660' FNL & 660' FEL	3628' DF	4225		13 3/8" 9 5/8" 7" 5 1/2"	50# 36# 26# 15.5#	192 2746 3984 4175	150 SX 500 SX 225 SX 50 SX	Circ.* 1295* 2724* 3700	18" 12 1/4"** 8 7/8"** 6 1/2"**	4030-4175 (G-SA) 4175-4225 (G-SA Open Hole)
4D	#16 660' FNL & 660' FWL	3626' DF	4225		16" 9 5/8" 6 5/8" 5" Lnr.	70# 40# 26# 18#	251 2798 3976 3886/4198	135 SX 700 SX 200 SX 75 SX	Circ.* 766* Circ. 3886*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4198-4225 (G-SA Open Hole)
4C	#17 660' FNL & 1980' FWL	3629' DF	4231		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 45.5# 36# 17# 	201 2754 3976 3900/4212 Surf/3900	125 SX 400 SX 150 SX 75 SX	46* 1754* 2895* 3900*	19 3/4" 13 1/2"** 9 7/8"** 7 3/8"**	4212-4231 (G-SA Open Hole)
4B	#18 660' FNL & 1980' FEL	3626' DF	4231		16" 10 3/4" 8 5/8" 5 1/2" Lnr.	70# 45.5# 36# 14#	207 2740 3950 3882/4215	125 SX 400 SX 135 SX 82 SX	Circ.* 1740* 2977* 3882*	18"** 13 1/2"** 9 7/8"** 7 7/8"	4068-4200 (G-SA) 4215-4231 (G-SA Open Hole)
4A	#19 660' FNL & 660' FEL	3623' DF	4233		16" 10 3/4" 8 5/8" 5 1/2" Lnr.	70# 45.5# 36# 14#	211 2752 3952 2645/4200	125 SX 400 SX 150 SX 300 SX	Circ.* 1752* 2871* 2645*	18"** 13 1/2"** 9 7/8"** 7 3/8"	4064-4170 (G-SA) 4200-4233 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
3D	#20 660' FNL & 660' FWL	3621' DF	4230		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 45.5# 36# 15.5#	203 2792 3964 3902/4204 Surf/3902	125 SX 400 SX 150 SX 75 SX	Circ.* 1792* 2883* 3902*	18"** 13 1/2"** 9 7/8"** 7 7/8"**	4070-4204 (G-SA) 4204-4230 (G-SA Open Hole)
3C	#21 663' FNL & 1935' FWL	3620' DF	4283	4281	8 5/8" 5 1/2"	24# 15.5#	303 4283	250 SX 675 SX	Circ.* 741*	12 1/4" 7 7/8"	4023-4280 (G-SA)
3C	#22 660' FNL & 1980' FWL	3615' DF	4198		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 40# 36# 15.5#	207 1630 4003 3878/4193 Surf/3878	75 SX 75 SX 150 SX 75 SX	23* 1443* 2922* 3878*	18"** 13 1/2"** 9 7/8"** 7 7/8"**	4176-4186 (G-SA) 4193-4198 (G-SA Open Hole)
3B	#23 660' FNL & 2310' FEL	3617' DF	4240		12 1/2" 7" 5"	50# 22# 13#	208 4055 4200	150 SX 500 SX 840 SX	Circ.* 1031* Circ.*	16"** 8 3/4"** 6 1/4"	4048-4190 (G-SA) 4200-4240 (G-SA Open Hole)
3A	#24 620' FNL & 1293' FEL	3605' GL	4234	4223	9 5/8" 5 1/2" 4 1/2"	36# 14# 12.6#	194 4114 4176	175 SX 500 SX 96 SX	Circ.* 1490* Circ.	12 1/4"** 7 7/8"** 5"**	4134-4168 (G-SA) 4176-4223 (G-SA Open Hole)
5F	#25 1650' FNL & 2310' FWL	3648' KB	4322	4290	8 5/8" 5 1/2"	24# 14#	304 4322	200 SX 1780 SX	Circ. 950	11" 7 7/8"	4108-4214 (G-SA)
5H	#26 1650' FNL & 480' FEL	3641' KB	4215		10 3/4" 7" 4 1/2" Lnr.	40.5# 24# 9.5#	361 4074 3969/4199	300 SX 800 SX 50 SX	Circ.* Circ.* 3964*	13 1/2"** 8 3/4"** 6 1/4"**	4133-4180 (G-SA) 4199-4215 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
5E	#27 1980' FNL & 660' FWL	3629' KB	4312	4183	13"	50#	200	200 SX	Circ.*	17 1/2"**	4092-4172 (G-SA)
					9 5/8"	36#	2792	500 SX	1169*	12"**	
					7"	20#	4019	300 SX	2205*	8 3/4"**	
					4 1/2" Lnr.	9.5#	3966/4190	35 SX	3966*	6 1/4"**	
5F	#28 1980' FNL & 1980' FWL	3624' DF	4226	4180	13"	50#	212	150 SX	30*	17 1/2"**	3966-4174 (G-SA)
					9 5/8"	40#	2780	300 SX	1806*	12"**	
					6 5/8"	26#	3950	150 SX	3185*	8 3/4"**	
					4 1/2" Lnr.	9.5#	3854/4183	150 SX	3854*	6 1/4"**	
5G	#29 1980' FNL & 1980' FEL	3634' KB	4220		13 3/8"	50#	175	175 SX	Circ.	15"	4106-4190 (G-SA)
					9 5/8"	40#	2744	500 SX	1293*	12 1/4"	4200-4220 (G-SA Open Hole)
					7"	26#	3932	230 SX	2644*	8 7/8"	
					5 1/2"	14#	4200	50 SX	3254*	6 1/4"	
5H	#30 1980' FNL & 660' FEL	3620' DF	4175		13"	50#	192	150 SX	Circ.	17 1/2"**	4089-4162 (G-SA)
					9 5/8"	36#	2750	500 SX	1127*	12"**	4169-4175 (G-SA Open Hole)
					7"	26#	3950	215 SX	2650*	8 3/4"**	
					5 1/2"	15.5#	4169	50 SX	3223*	6 1/4"**	
4E	#31 2310' FNL & 990' FWL	3612' DF	4275		13"	50#	259	106 SX	130*	17 1/2"**	3975-4207 (G-SA)
					9 5/8"	45#	2785	300 SX	1811*	12"**	4215-4275 (G-SA Open Hole)
					6 5/8"	26#	3993	135 SX	Circ.	8 1/4"**	
					5" Lnr.	15.5#	3947/4215	75 SX	3947*	6 1/4"**	
4F	#32 1980' FNL & 1980' FWL	3614' KB	4244	4210	13"	50#	253	180 SX	Circ.*	17 1/2"**	4078-4198 (G-SA)
					9 5/8"	45#	2772	300 SX	1798*	12"**	4199-4210 (G-SA Open Hole)
					6 5/8"	26#	3997	135 SX	3066*	8 1/4"**	
					5" Lnr.	18#	3936/4199	75 SX	3936*	6 1/4"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
4G	#33	3623' KB	4255		16"	70#	152	360 SX	Circ.*	18"**	4006-4248 (G-SA)
	2310' FNL & 1650' FEL				10 3/8"	45.5#	1523	75 SX	1354*	13 1/2"**	
					8 5/8"	36#	3259	60 SX	2827*	9 7/8"**	
					6 5/8"	26#	3952	50 SX	3492*	7 7/8"**	
					4 1/2" Lnr.	10.23#	3868/4254	75 SX	3460*	6"**	
4H	#34	3617' DF	4206		16"	70#	199	75 SX	Circ.*	18"**	4066-4203 (G-SA)
	1980' FNL & 660' FEL				10 3/4"	40#	1570	75 SX	1383*	13 1/2"**	
					8 5/8"	36#	3961	150 SX	2880*	9 7/8"**	
					5 1/2"	15.5#	4206	675 SX	664*	7 7/8"**	
3E	#35	3613' DF	4239		16"	70#	216	100 SX	Circ.*	18"**	4010-4212 (G-SA)
	1980' FNL & 660' FWL				10 3/4"	40#	2790	450 SX	1665*	13 1/2"**	4210-4239 (G-SA Open Hole)
					8 5/8"	36#	3990	150 SX	2909*	9 7/8"**	
					5 1/2"	14#	4210	650 SX	Circ.	7 7/8"**	
3F	#36	3617' DF	4202	4197	13 3/8"	61#	214	135 SX	37*	17 1/2"**	4120-4195 (G-SA)
	1980' FNL & 1980' FWL				9"	34#	1653	350 SX	727*	12"	
					7"	24#	4111	150 SX	2642*	8 1/8"	
					5 1/2" Lnr.	15.5#	3977/4202	50 SX	3977*	6 1/4"**	
					5 1/2"		Surf/3977				
3G	#37	3615' KB	4290		12"	50#	250	175 SX	Circ.*	16"**	4067-4164 (G-SA)
	1980' FNL & 2310' FEL				7"	22#	4147	500 SX	865*	8 5/8"**	4180-4290 (G-SA Open Hole)
					5"	13#	4180	300 SX	624*	6 1/4"**	
3H	#38	3610' DF	4233		9 5/8"	36#	196	175 SX	Circ.*	12 1/4"**	4132-4233 (G-SA Open Hole)
	2205' FNL & 1293' FEL				5 1/2"	14#	4132	500 SX	1508*	7 7/8"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
6G	#113 1650' FNL & 1650' FEL	3628' GL	4168	4141	8 5/8" 5 1/2" 4" Lnr.	24# 15.5# 11.34#	321 3279 3042/4112	250 SX 800 SX 130 SX	Circ.* Circ.* 627*	12 1/4"** 7 7/8"** 5"**	3988-4067 (G-SA)
33P	State "A-3" #27 760' FSL & 610' FEL	3634' GL	3220		9 5/8" 5 1/2"	32.2# 15.5#	338 3160	250 SX 700 SX	Circ.* Circ.*	12 1/4"** 7 3/8"	3160-3220 Open Hole)
4C	State "A" #11-X 810' FNL & 2030' FWL	3639' DF	8160	7370	13 3/8" 9 5/8" 5 1/2"	54.5# 32.3# 15.5#	1544 4434 7365	825 SX 815 SX 200 SX	Circ. 1789* 5188*	17 1/2" 12" 6 3/4"	3172-3224
	Moranco										
18E	Hardin B #1	3678' DF	4128		8 1/2" 5 1/2"	24,32# 14#	325 4135	200 SX 1850 SX	Circ.* Circ.*	11"** 7 7/8"**	4020-4098 (G-SA)
18F	Hardin B #2	3676' DF	4130	4074	8 5/8" 5 1/2"	24# 14#	228 4143	175 SX 250 SX	Circ.* 2831*	11"** 7 7/8"**	4018-4065' (G-SA)
18D	Hardin B #3 (Injector)				8 5/8" 4 1/2"	28# 9.5#	256 4169	200 SX 400 SX	Circ.* 2070*	11"** 7 7/8"**	4066-4146' (G-SA)
18C	Hardin B #4				8 5/8" 4 1/2"	28# 11.6#	222 4194	200 SX 400 SX	Circ.* 2095*	11"** 7 7/8"**	4087-4162 (G-SA)
13H	Rice #1 (Injector)				8 5/8" 5 1/2"	28# 14#	268 4018	200 SX 300 SX	Circ.* 2444*	11"** 7 7/8"**	4022-4135 (G-SA Open Hole)
13G	Rice #2				8 5/8" 5 1/2"	24# 14#	270 4034	200 SX 300 SX	Circ.* 2460*	11"** 7 7/8"**	4035-4141 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Moranco										
13A	Rice #3				8 5/8"	24#	296	200 SX	Circ.*	11"**	4051-4198 (G-SA Open Hole)
					5 1/2"	14#	4055	300 SX	2481*	7 7/8"**	
13B	Rice #4 (Injector)				8 5/8"	24#	299	175 SX	Circ.*	11"**	4040- (G-SA Open Hole)
					5 1/2"	15.5#	4040	250 SX	2728*	7 7/8"**	

WR-31

COMPLETION DATE 1/71 — AMERADA HOBBS STATE NO. 5 — COMPLETION INTERNAL: P&A

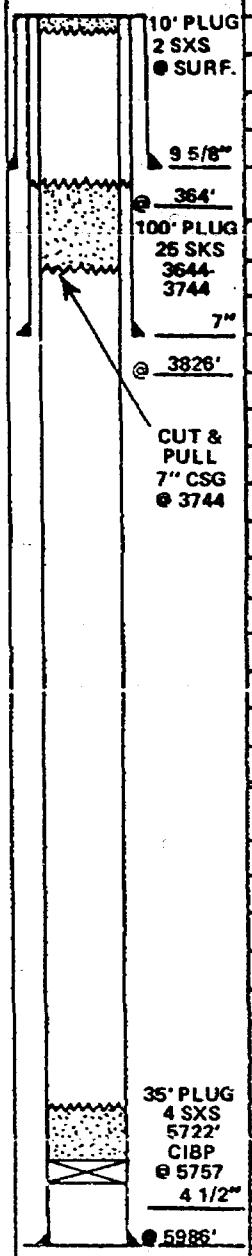
P&A DATE 5/11/73 — NORTH HOBBS (G/SA) UNIT

LOCATION 2280' FNL & 1980' FWL SECTION 29 BLOCK F

SURVEY _____ COUNTY Lea County, New Mexico

DATUM _____ ( ) G.L. ELEV. 3655 TD 5986 PBTD PA ( )

T.D. 5986'



PBTD

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	36	364	200	*Circ	12 1/4"
7"	23	3826	140	*2975	8 3/4"
4 1/2"	11.6	5986	186	*4340	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	Blnbry	5813-5879	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PRESSURE MAINTENANCE PROJECT
EXHIBIT "11"

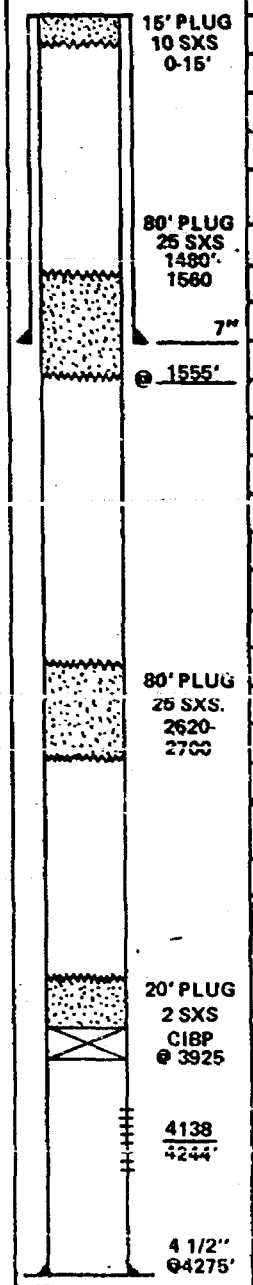
COMPLETION DATE 12-19-68 — AMERADA 'D' STATE NO. 1 — COMPLETION INTERNAL: 4138-4244(I)

RECOMPLETION DATE 10-27-70 (P&A) — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 330' FEL — SECTION 36I — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM [ ] G.L. ELEV. 3654' — TD 4275' — PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
7"	23#	1555	400	Circ.	8 3/4"
4 1/2"	10.5	4275	300	2750	6 1/4"
	11.6			(T.S)	

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1625	
T.Salt	1725	
Yates	2730	
GU	4137	-482
GL	4254	-599
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/68	I	4138-4244	18 Holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/68	I	1000 gal. AT; 20x10			32BO,
		frac.			14BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: P&A: CIBP @ 3995' w/20' cmt. on top; 25 sx cmt. from 2620-2700', 25 sx cmt. from 1480-1560'; 10 sx cmt. 0-15 w/reg. marker. Hole laden w/mud laden fluid.

DATE: 8-23-78 KI

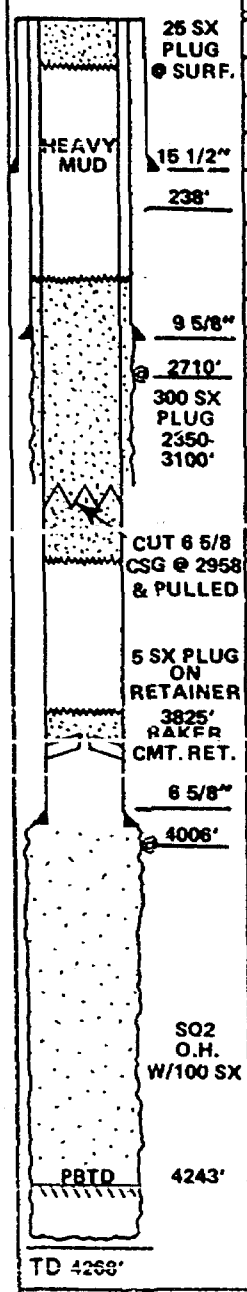
COMPLETION DATE 12-1-32 — ATLANTIC GRIMES NO. 2 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 4-18-59 (P&A) — HOBBS (G-SA) UNIT

LOCATION 1650' FWL & 2350' FNL — SECTION 28 F — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3654' [GL] G.L. ELEV. _____ — TD 4243' — PBTD P&A [ ]



**Estimate CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	233	200	Circ.*	18"**
10"	45#	2702	700	1945*	13"**
6 5/8"	24#	3974	250	3270*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3999	-348e
GL	4086	-435e
I	4094	-443e
II	4152	-501e
III	4211	-560e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
		3974-4243'	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
	4243-68	PB w/10 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
12/33		1000 gal.	AT		
7/34		1000 gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Tested for csg. leaks 9-9-53 - no leaks. See attached for P&A info.

DATE: 8-22-78 KLL

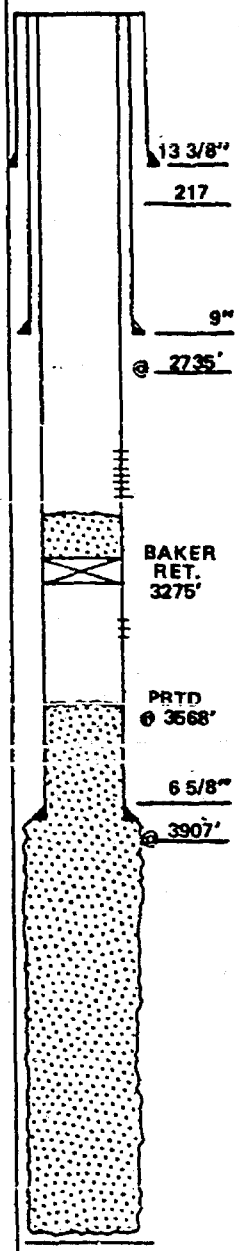
COMPLETION DATE 8-30 — CHEVRON STATE "A" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10-14-46 — HOBBS (G-SA) UNIT

LOCATION 992' FSL & 988' FEL — SECTION 29 P — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3651' [GL] G.L. ELEV. _____ — TD 4090 — PBTD 3260' [P&A]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	217	200	Circ.*	16"
9"	45#	2735	500	1405*	12"
6 5/8"	26#	3907	357	1813*	8 1/2"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3869e	-218
GL	3966e	-315
I	3981e	-330
II	4049e	-398
IIIU	4111e	-460
IIIL	4213e	-562
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G/SA	3907-4090	
		3150-70	
		3190-3241	
		*3287-91	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

6-13-79 JBK

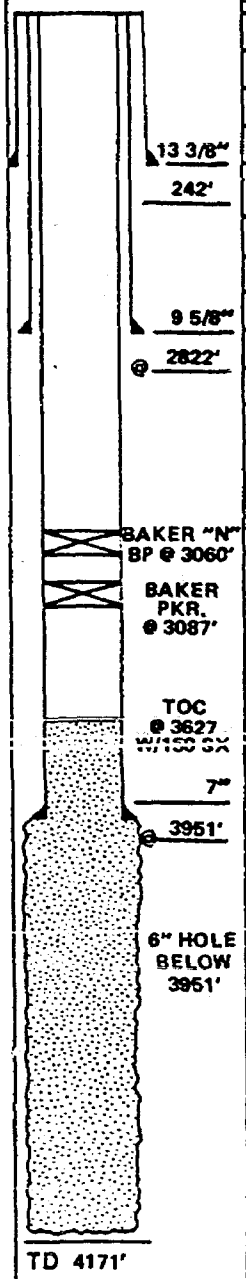
COMPLETION DATE 9-30 — CHEVRON STATE "A" No. 2 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1946 (P&A) — HOBBS (G-SA) UNIT

LOCATION 990' FSL & 1650' FEL SECTION 29 0 BLOCK _____

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

DATUM _____ ( ) G.L. ELEV. 3651' TD 4171' PBTD 3060' [BP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	50#	242	150 sx	70*	18"
9 5/8"	36#	2822	725 sx	469*	12"
7"	30#	3951	300 sx	2137*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9-30	G-SA	*3951-4171	OH
		*3155-3175	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 1/79 KLJ

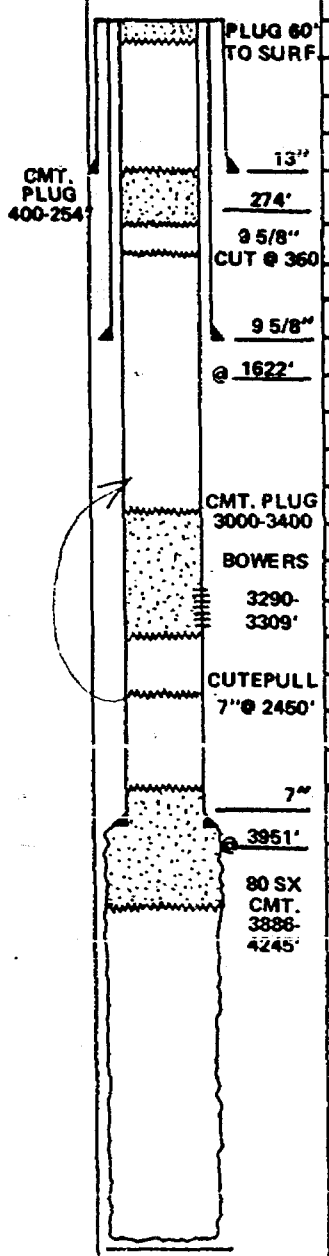
COMPLETION DATE 6-3-36 (D&A) — CONTINENTAL ST. "B-13" NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 3300' FNL & 3300' FEL — SECTION 13 K — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3684' [DF] G.L. ELEV. _____ TD 4245' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	274	200	Circ.	16"**
9 5/8"	36#	1622	400	438*	12 1/4"**
7"	24#	3951	400	1149*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3959	-275e
GL	4082	-398e
I	4132	-448
II	4234	-550e
III	4304	-620
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3-36	Bowers	3290--3309'	20 holes
		3951-4245	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: P&A: 7" csg. cut @ 2450'; 1501' in hole. 9 5/8" cut @ 360'; 1262' in hole
80 sx cmt. 4245-3886'. Cmt. plug 3400-3000'. Plug from 400-254'; cellar to 60'

DATE: 8-24-78 KLL

Rev. 12-78 KLL

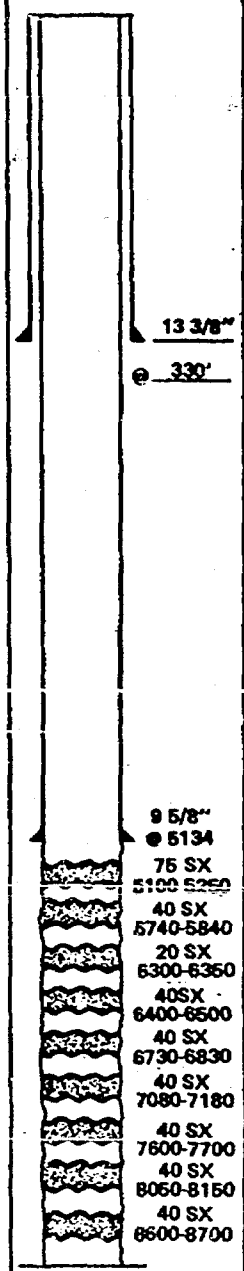
D&A DATE 5-26-60 CONTINENTAL NORTH HOBBS UNIT #1 COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ HOBBS (G-SA) UNIT

LOCATION 660' FNL & 660' FWL SECTION 13 D BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3686' [DF] G.L. ELEV. _____ TD 8877 PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	330	375	Circ.*	17 1/2"
9 5/8"	36,40#	5134	840	2700*	12 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5-60		*5134-8877	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Was loaned to Dresser Atlas for testing logging instruments

DATE: 12/78 KLL

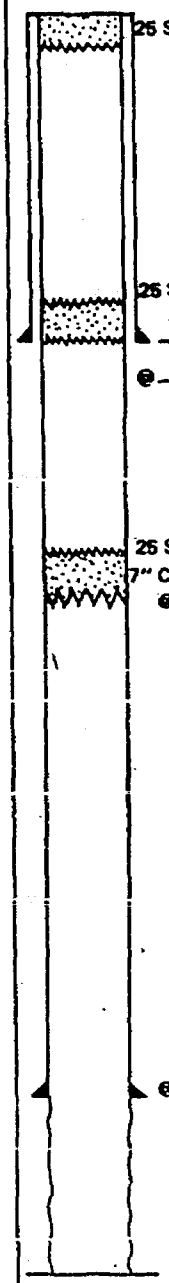
COMPLETION DATE 12-52 — ESTES-STANOLIND ST. NO. 1-A — COMPLETION INTERNAL: _____

P&A DATE 1-6-65 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FEL — SECTION 14 P — BLOCK _____

SURVEY T-18-S, R- — COUNTY Lea County, New Mexico

DATUM 3677' [DF] G.L. ELEV. _____ TD 4135' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40.5#	265	200	Circ.*	15"
7"	20#	3911	150	3539*	10 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-52	G/SA	3911-4135	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLI

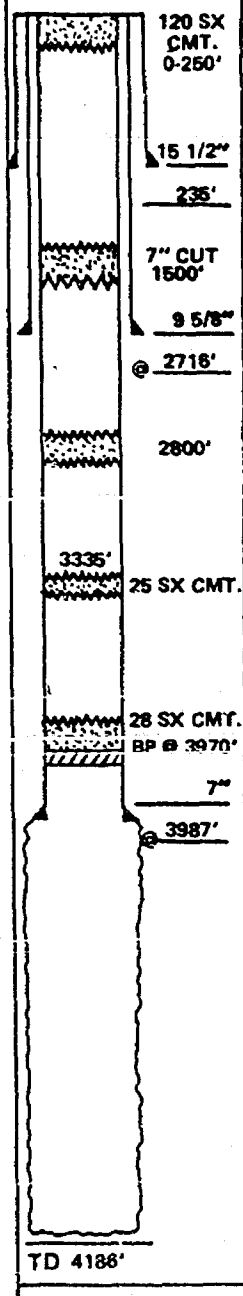
COMPLETION DATE 11-32 — EXXON-BOWERS "B" FED. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 12-21-71 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330' FWL — SECTION 29 D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3656' [DF] G.L. ELEV. _____ TD 4186' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	235	225	Circ.*	18"**
9 5/8"	36#	2716	650	830*	12 1/4"**
7"	26#	3987	300	1840*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11-32	G/SA	3987-4186'	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

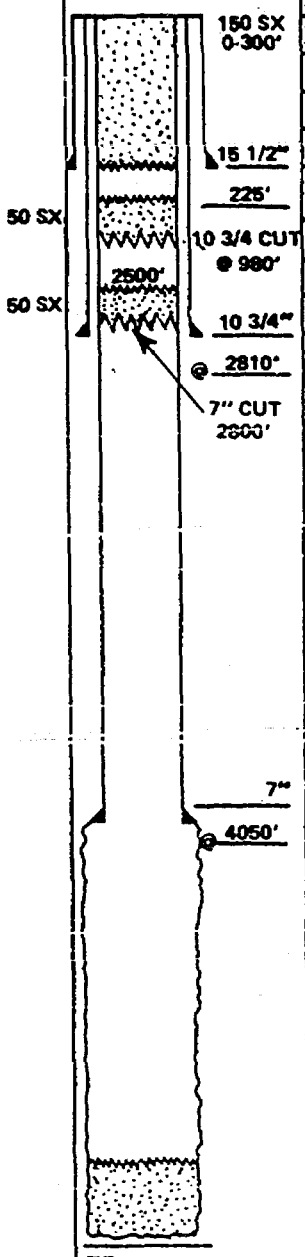
COMPLETION DATE 12-32 — EXXON BOWERS "B" NO. 2 — COMPLETION INTERNAL: _____

P&A DATE 5-6-46 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FWL — SECTION 20 J — BLOCK _____

SURVEY T-18-S, R- — COUNTY Lea County, New Mexico

DATUM 3647' [DF] G.L. ELEV. _____ — TD 4247' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	225	225	Circ.*	18"**
10 3/4"	40#	2810	700	750*	13 1/2"*
7"	26#	4050	300	1950*	8 1/2"*

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-32	G-SA	4050-4247	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

WR-3198 B

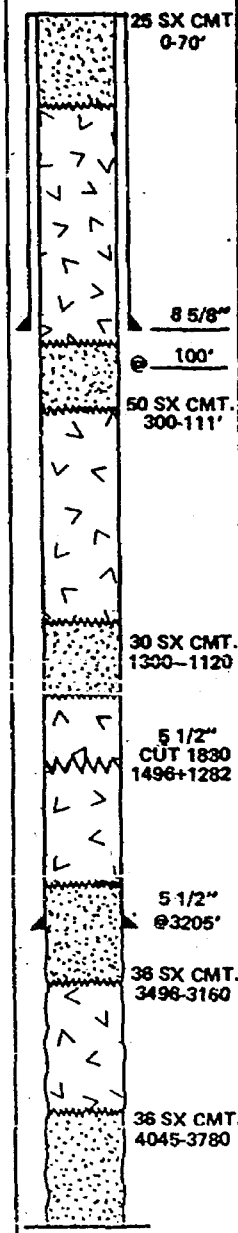
D&A DATE 3-48 — EXXON-GRIMES NO. 2 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 660' FWL — SECTION 29 A — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3644' — TD 4045' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	100	150	Circ.*	11"
5 1/2"	14,17#	3205	450	765*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3-48	BOW/ G-SA	3205-4045	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

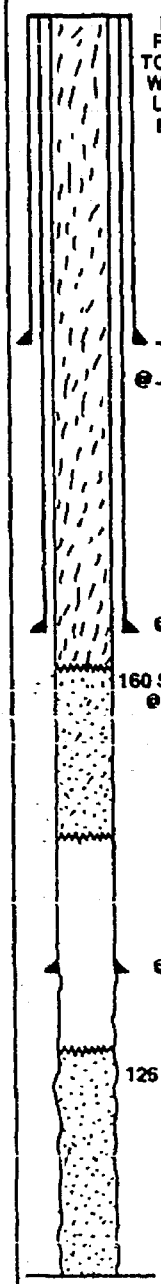
D&A DATE 5-33 | EXXON-BOON HARDIN NO. 1 | COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ | HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330' FWL SECTION 18E BLOCK _____

SURVEY T-18-S, R- COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. _____ TD 4720' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	222	225	Circ.*	18"**
9 5/8"	36#	2820	650	910*	12 1/4"**
7"	24#	4010	300	1910*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5-33	G-SA	4010-4720	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

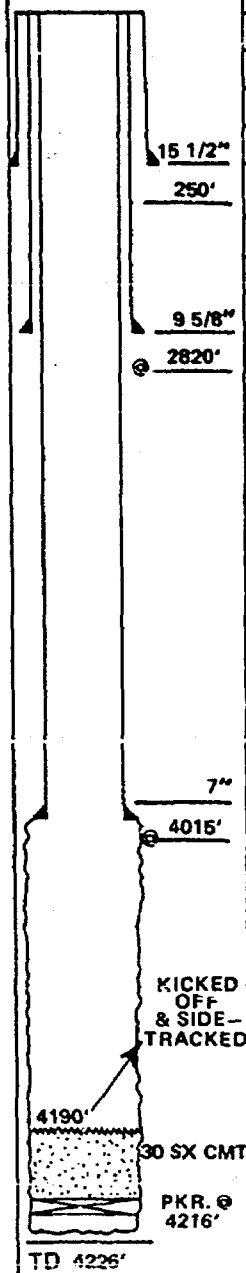
COMPLETION DATE 2-1-33 — BILL SWEET "B" NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 9-1-49 (P&A) — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 990' FEL — SECTION 20 P — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3645' — TD 4226' — PBTD 4190' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	250	225	Circ.*	18"**
9 5/8"	36#	2820	650	910*	12 1/4"**
7"	24#	4015	300	1915*	8 1/2"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2-33	G-SA	4015-4226	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Well was plugged 8/4/49. TOC @ 4190

9/54 well was side tracked & number changed to 3-A

DATE:

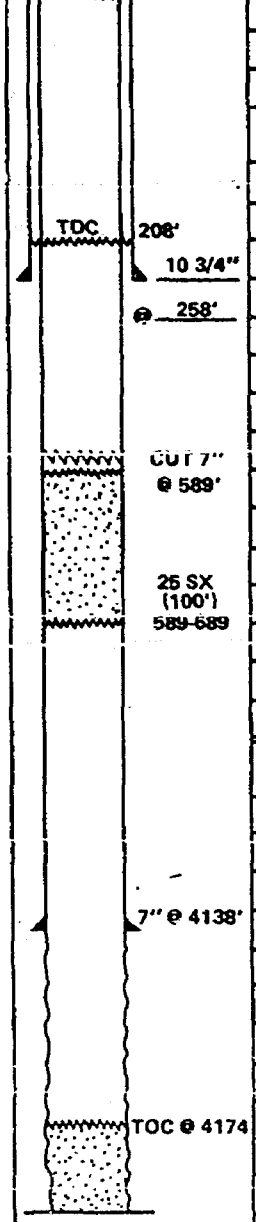
COMPLETION DATE 2-54 — BILL SWEET "B" NO. 3-A — COMPLETION INTERNAL: ____

P&A DATE 8-9-60 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 700' FEL — SECTION 20 P — BLOCK ____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3647' [DF] G.L. ELEV. ____ TD 4230' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	258	150	Circ.	13 1/2"**
7"	20#	4138	600	522*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4072	-420e
GL	4159	-507e
I	4173	-521e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2-54	G-SA	4138-4230	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3-54	G, I	250 gal. AT	4136-70'		
		250 gal. AT	4170-80'		
		750 gal. 15% AT	4170-80'		
		5000 gal. 15% AT	4170-80'		2BOPH
		8000 gal. 20% AT	4170-80'		1BOPH
		100 gal. AT	4207-30'		100% Wtr.

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE: 8-23-78 KL

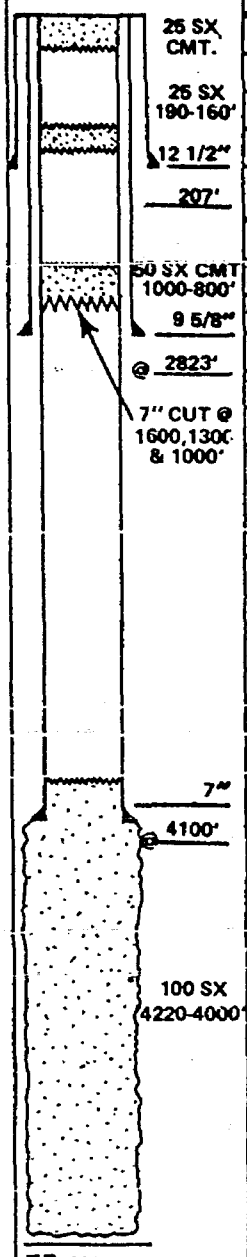
COMPLETION DATE 11-30 — EXXON "A" STATE NO. 3 — COMPLETION INTERNAL: _____

P&A DATE 3-18-47 — HOBBS (G-SA) UNIT

LOCATION 1980' FEL & 1980' FSL — SECTION 25J — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3667' [DF] G.L. ELEV. _____ — TD 4220' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	207	250	Circ.*	14"**
9 5/8"	36#	2823	650	907*	12 1/4"**
7"	26#	4100	350	1660*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
BRB	1610	
T Salt	1750	
B Salt	2650	
Yates	2780	
Buff-lime	2900	
T Pay	4125	
GU	4047	-380e
GL	4141	-474e
I	4167	-500e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/30	G-SA	4100-4220	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: See attached for P&A info

DATE: 8-24-78 KLL

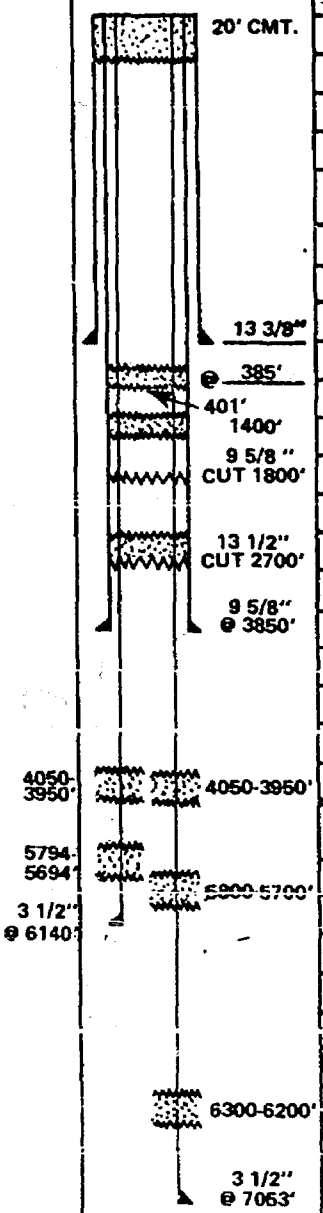
COMPLETION DATE 10-69 — EXXON "A" BOWERS NO. 32 — COMPLETION INTERNAL: P&A

P&A DATE 9-14-72 — HOBBS(G-SA) UNIT

LOCATION 330' FSL & 1980' FEL — SECTION 30 — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3658' [DF] G.L. ELEV. 3646' TD 7075' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	385	400	*Circ.	17 1/2"
9 5/8"	36#	3850	550	*610	11"
3 1/2"	7.7#	6140	895	*5620	8 3/4"
3 1/2"	7.7#	7053			8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3918	-260
GL	4032	-374
I	4048	-390
II	4106	-448
IIIU	4168	-510
IIIL	4274	-616
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/69	Blnbry	*5940-54'	1 SPF
9/69	Drnkrd	*6974-82'	1 SPF
9/69		5725-76'	
10/69		5813,87-91'	
12/69		6974-82'	1 SPF
		5825-29,56-60,72-76	
		5887-91 SQUEEZE & REPAIR 5895-5901'	

DATE	DEPTH	WORK DONE
9/69	6974-82	Sqz'd w/50 sx cmt.
9/69	5940-54	Sqz'd w/40 sx cmt.
10/69	5725-76	Sqz'd w/25 sx cmt.
10/69	5813	Sqz'd w/75 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/69	Blnbry	1500 gal. 15% NE AT	(5940-54')		46 BW
9/69	Drnkrd	9500 gal. 15% NE AT	(6974-82')		70 BW
9/69		5000 gal. AT 10x65 frac	(5725-76')		30 BW
10/69		500 gal. AT	(5887-96')		12 BW
12/69		2500 gal. AT	(6974-82')		1BO,74B
		5000 gal. AT	(5825-76')		
		500 gal. AT	(5887-5901')		

OPR

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-24-78 K

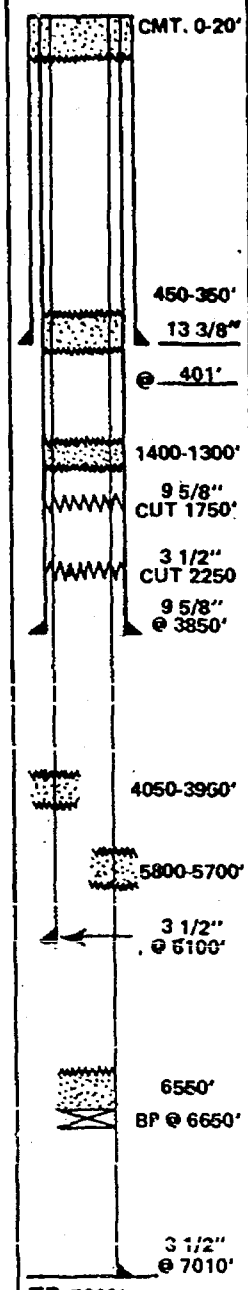
COMPLETION DATE 9-69 — EXXON "A" BOWERS NO. 34 — COMPLETION INTERNAL: P&A

P&A DATE 9-26-72 — HOBBS (G-SA) UNIT

LOCATION 1980' FSL & 2120' FEL — SECTION 30J — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3661' [DF] G.L. ELEV. 3650' — TD 7010' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	401'	400	150*	17"
9 5/8"	36#	3850'	550	3040*	12 1/4"
3 1/2"	7.7#	6100'	895	4144*	8 3/4"
3 1/2"	7.7	7010'			8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3904	-243
GL	4014	-353
I	4030	-369
II	4106	-445
IIIu	4178	-517
IIIL	4294	-633
Drnkrd	7100	
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/69		*5848,50,51,63,65,67,93,	1 JPF
10/69		98, 5900,05,07	
11/69		*6973-79, 6946-50, 6955-33	1 JPF
12/69		6718,66,69,98, 6832,53,	
12/69		6855,75, 6901-6912	
	Drnkrd	5822-28	1 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
10/69	5848/	Sqz'd w/44 sx cmt.
	5907	
12/69		B.P. @ 6650' w/25 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/69		2000 gal. AT	(6973-79')		75 BW
11/69		3000 gal. AT	(6973-79')		22BO, 78B
12/69		500 gal. AT	(6946-63')		
12/69		10,000 gal. AT	(6718-6912')		Dry
12/69		500 gal. AT	(5822-28")		158 BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Gas lifted

See attached for P&A procedure — DATE:8-24-78

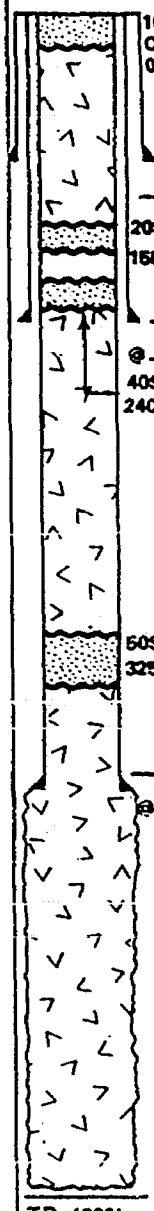
COMPLETION DATE 9/30 — EXXON USA BOWERS No. 9 — COMPLETION INTERNAL: _____

P&A DATE 1/2/62 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FWL — SECTION 29E — BLOCK _____

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

DATUM 3654' [DF] G.L. ELEV. _____ — TD 4200 — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	226	650	Circ.*	14"**
9 5/8"	36#	2736	650	351*	11 3/4" **
7"	26#	3976	300	825*	8 1/2" *

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3976–4200	OH
	Bow/7Riv	3222–27	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

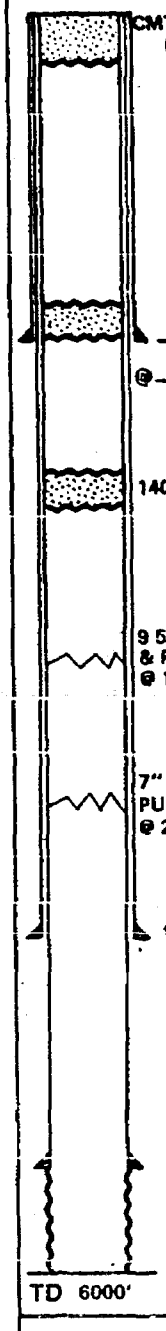
COMPLETION DATE 7-69 — EXXON USA BOWERS NO. 33 — COMPLETION INTERNAL: _____

P&A DATE 10-3-72 — HOBBS (G-SA) UNIT

LOCATION 800' FNL & 660' FWL — SECTION 29D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3657' [DF] — G.L. ELEV. _____ — TD 6000' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	416	400	Circ.*	17"
9 5/8"	36#	3850	550	3040*	12 1/4**
7"	23#	5988	550	2672*	8 3/4**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/69	Blnbry	5915-5953	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

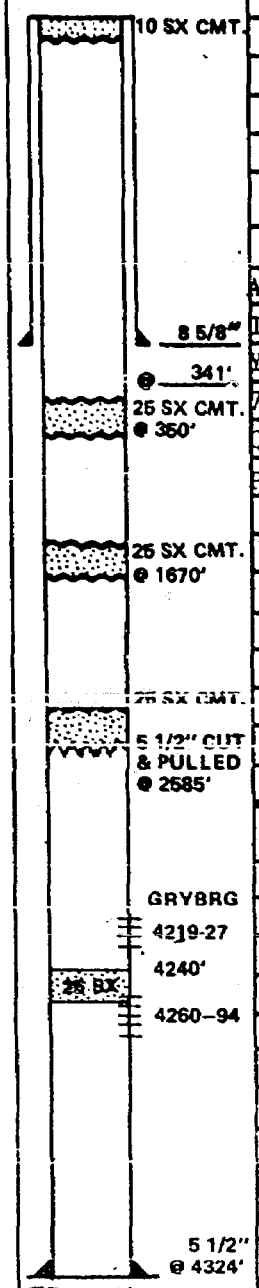
COMPLETION DATE 1-60 — GETTY STATE "B" NO. 3 — COMPLETION INTERNAL: _____

P&A DATE 8-27-60 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 2310' FWL — SECTION 14F — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3686' [DF] G.L. ELEV. _____ TD 4324' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	341	300	Circ.	11"
5 1/2"	15.5#	4324	600	1096*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1645	
Tansil	2717	
Yates	2867	
7 Riv	3142	
Queen	3700	
Penrose	3854	
GU	4300	-599
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/60	G-SA	4219-4232'	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/60	4218-32	Sqz'd w/195 sx sand

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/60	G	1500 gal. AT; 10x10 frac			
1/60	G	1000 gal. AT; 10x10 frac			
2/60	G	1000 gal. AT; 20x17.5 frac			
5/60	G	10x3.4 (walnut shells)	unable to rec. load		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

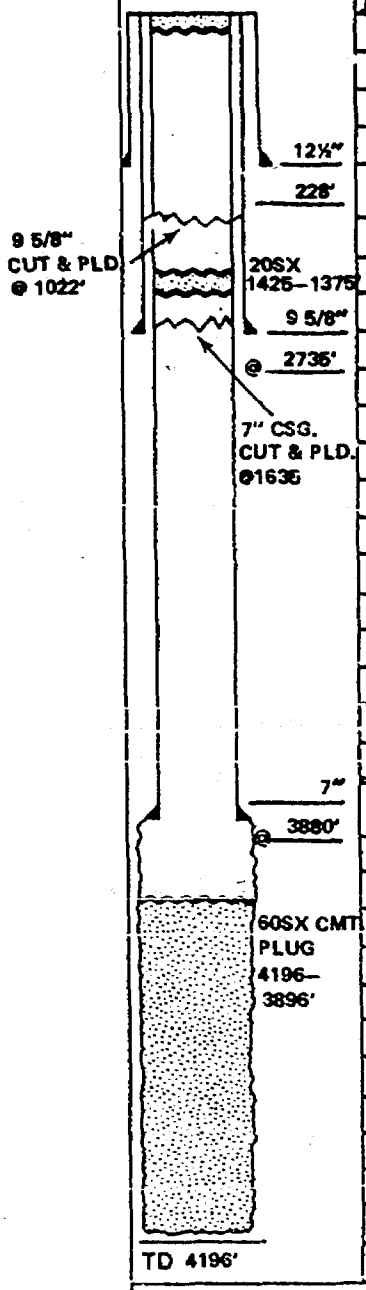
COMPLETION DATE 12/30 — GETTY GRIMES No. 5 — COMPLETION INTERNAL: _____

P&A DATE 6/29/50 — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FEL — SECTION 29H — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3647' — TD 4196' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	228	250	Circ.	14"**
9 5/8"	36#	2735	600	1173*	12¼"**
7"	24#	3880	400	1084*	8½"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	C-SA	3880-4196	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

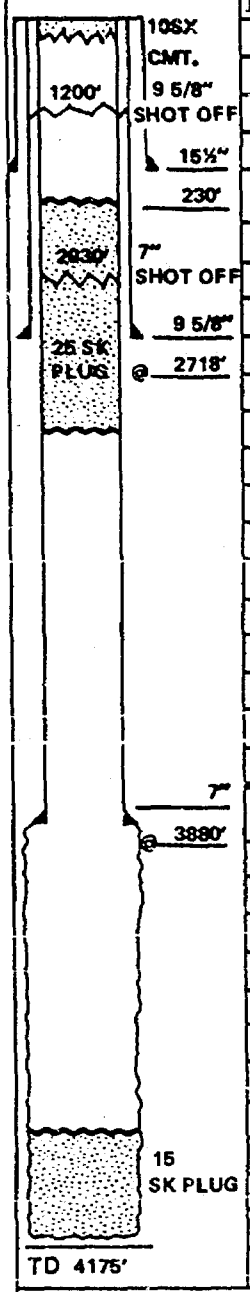
COMPLETION DATE 9/30 — GETTY GRIMES No. 2 — COMPLETION INTERNAL: _____

P&A DATE 7/3/51 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FEL — SECTION 29H — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3650' — TD 4175' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	230	200	Circ.*	18"
9 5/8"	36#	2718	600	954*	12 1/4"**
7"	24#	3880	300	1784*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3951	-299
GL	4052	-400
I	4062	-410
II	4128	-476
IIIu	4197	-545
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G-SA	3880-4175	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

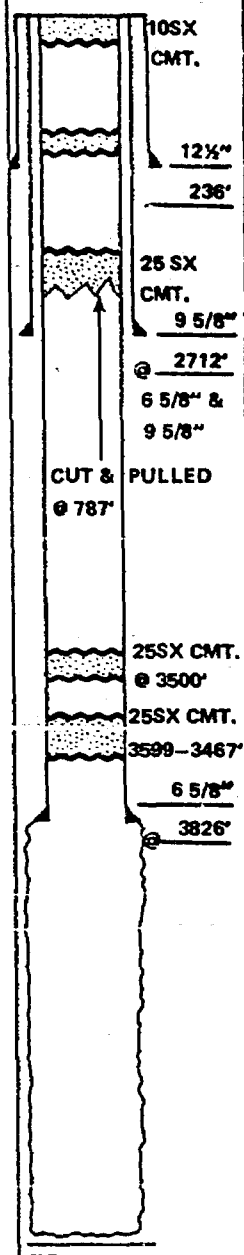
COMPLETION DATE 8/30 — GETTY GRIMES WO No. 1 — COMPLETION INTERNAL: _____

P&A DATE 7/25/68 — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 990' FEL SECTION 29I BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3650' TD 4160' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	236	200	Circ.*	14"**
9 5/8'	36#	2712	600	948*	12 1/4 **
6 5/8'	24#	3826	300	2098*	8 1/2 **

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3895	-247
GL	3984	-336
I	3996	-348
II	4061	-413
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/30	G-SA	3826-4200	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

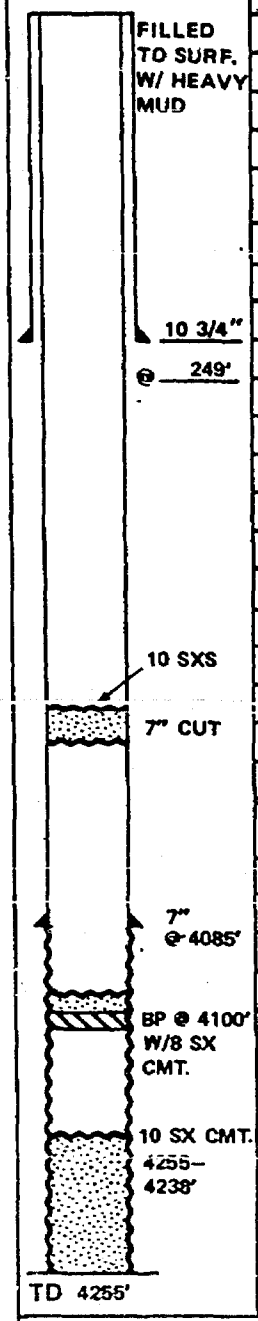
COMPLETION DATE 10/42 — GULF MORRIS NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10/27/43 — HOBBS (G-SA) UNIT

LOCATION 363' FNL & 2310' FEL — SECTION 21G — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. _____ TD 4255' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	249	155	Circ.*	12"
7"	24#	4085	450	941*	8 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/42	G-SA	4085-4255	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

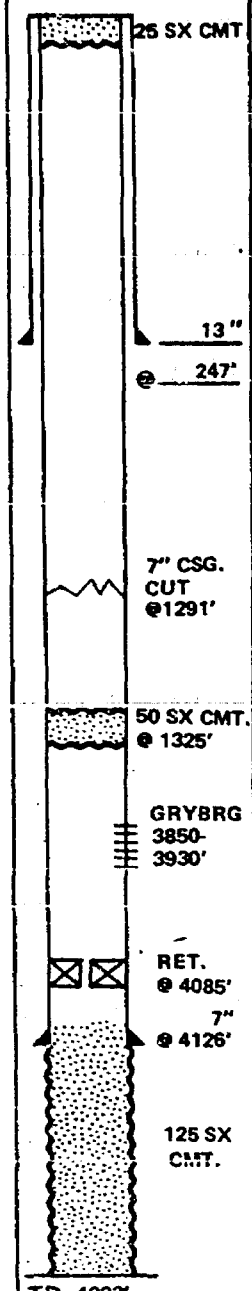
COMPLETION DATE 4-14-36 — GULF "C" GRIMES NO. 4 — COMPLETION INTERNAL: _____

P&A DATE 2-8-49 — HOBBS (G-SA) UNIT

LOCATION 1350' FSL & 1350' FWL — SECTION 21K — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3645' — TD 4225' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15"	40#	247	150	Circ.*	18"
7"	24#	4126	1300	Circ.*	9 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4106	-461
GL	4198	-553
I	4198	-553
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4126-4225	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/36	G	5000 gal.	AT		
4/36	G	3000 gal.	AT	77BOPH	146BOPH

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Gas lifted.

DATE: 8-23-78 KJ

COMPLETION DATE _____ **GULF-GERTRUDE MORRIS NO. 1** COMPLETION INTERNAL: _____

D&A DATE 1/11/57 **HOBBS (G-SA) UNIT**

LOCATION 1980' FNL & 1980' FEL SECTION 21G BLOCK _____

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

DATUM 3647 DF] G.L. ELEV. 3640' TD 11,211' PBTD D&A [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	255	300	Circ.*	17 1/2"
9 5/8"	36#	4299	2820	Circ.*	12 1/4"
5½"/nr.		4287/6250	500		

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1745	
Yates	2895	
Queen	3680	
Gu	4218	-571
I	4326	-679
II	4371	-724
Glorieta	5650	
Tubb	6762	
Woodford	8472	
Dev.	8612	
Silurian	9910	
Montoya	10,360	
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/56	Glorieta	*6153-81	4 1/2" JPF
11/56	II	*4474-95	4 1/2" JPF
11/56	G	*4250-80, 4287-4300	4 1/2" JPF
11/56	Queen	3688-3710, 3755-90, 3830-55	4 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/56	6153-81	Sqz'd w/51 SX cmt.
11/56	4474-95	Sqz'd w/72 SX cmt.
11/56	4250/4300	Sqz'd w/192 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/56	II	5000gal.	AT		
11/56	G	500 gal. 15%	AT		
11/56	G	1000 gal. 15% 10 X .7#/gal.	frac		
11/56	Queen	1000 gal. 15%; 5 X 5	frac		

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/22/78KLL

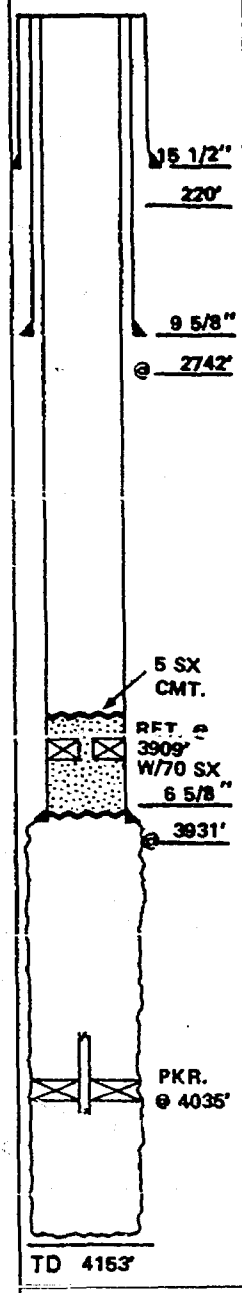
COMPLETION DATE 8-30 — GULF GRIMES "NCT-A" NO. 4 — COMPLETION INTERNAL: _____

P&A DATE 8-21-40 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 32C BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3640' TD 4153 PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	220	200	Circ.*	18"**
9 5/8"	36#	2742	600	930*	12 1/4"**
6 5/8"	24#	3931	400	1890*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3630-3700	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Well recompleted to Byers zone 8/26/40.

DATE: 12-78 KLL

WR-31988

PROPOSED WELL NO. 36-211

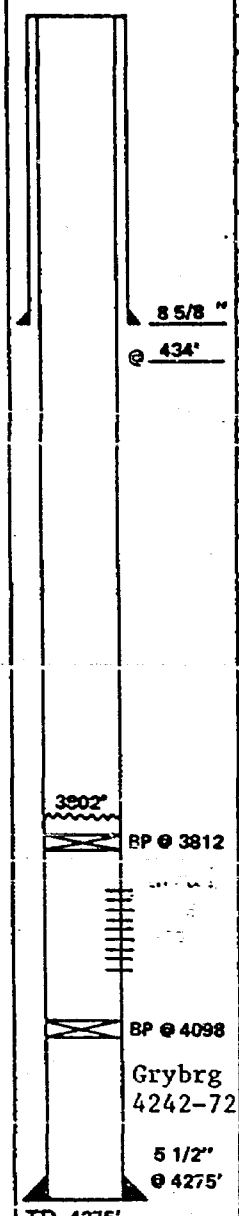
COMPLETION DATE 6-57 — GULF HOLT NCT-D NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1-75 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 36C BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3670' TD 4275' PBTD T.A. [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	434	325	Circ.	11"
5 1/2"	14#	4275	400	*2223	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1658	
Yates	2920	
Queen	3720	
Penrose	3870	
GU	4210	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/57	G	4242-72	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/70		CIBP @ 4098', capped w/1 sk.
		CIBP @ 3812' & capped w/1.5 sx cmt.
		to 3802

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	12,000 gal. AT; 10x10	frac (4242-72')		
2/63	G	1000 gal. 15% NE FE	AT	8BO,1BW	23BO,
					10BW
4/70	G	1000 gal. 15% NEA; sand			
		frac'd (3838-4034')			

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KLL

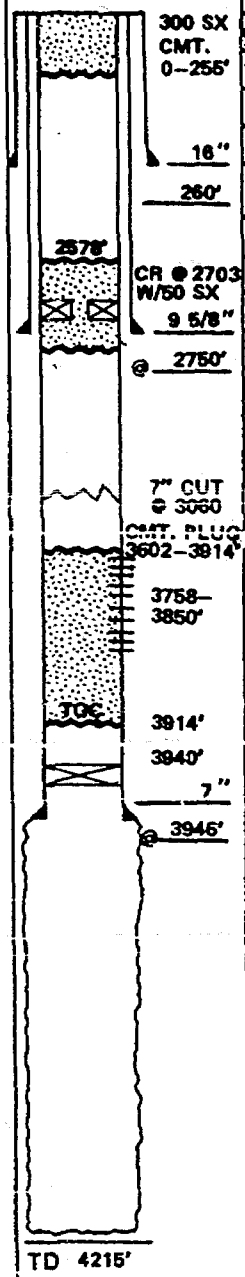
COMPLETION DATE 11/25/30 — MARATHON STATE NO. 4 — COMPLETION INTERNAL: 3758-3850'

RECOMPLETION DATE 1/25/57 (P&A) — HOBBS (G-SA) UNIT

LOCATION 330' FWL & 330' FSL — SECTION 30 M — BLOCK

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

DATUM 3662' [DF] G.L. ELEV. — TD 4215' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
16"	65.3#	260	225	Circ.*	18"**
9 5/8"	40#	2750	500	1280*	12¼"**
7"	24#	3946	350	1500*	8½"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
BRB	1540	
T.Salt	1672	
B.Salt	2628	
Buff Is	2865	
Yates	2750	
Ector	3940	
Gu	3999	-342
GL	4136	-479
I	4152	-495
II	4215	-558e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/51	Byers	3758-70, 3785-97, 3810-25	4 JPF
		3840-50	
	G-SA	3946-4215	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/51	4086/4146	PB w/4 SX cmt.
11/50	4146	PB w/45 SX cmt.
3/51	3940	CIBP w/TOC@ 3914'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/51		1000 gal. 15%	3980'-4081'		
11/50		3000 gal.	3978-4146		

OPT 3693 BO (1st prod.)

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/22/78KLL

Rev. 12/78 KLL

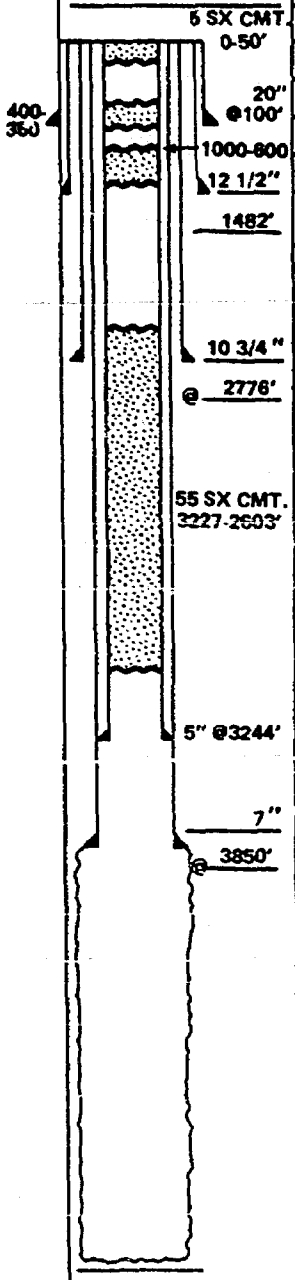
P&A DATE 7/21/58 — MARATHON STATE 32 NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2970' FNL & 1650' FEL SECTION 32J BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3636' TD 4176' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	1482	175	1264*	17"**
10 3/4"	41#	2776	200	2242*	13 1/2"**
7"	24#	3850	275	2192*	8 3/4"**
5"	15#	3244	500	178*	7"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	Bowers	3244-4176	
	G/SA-Bow.	3140-3203	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

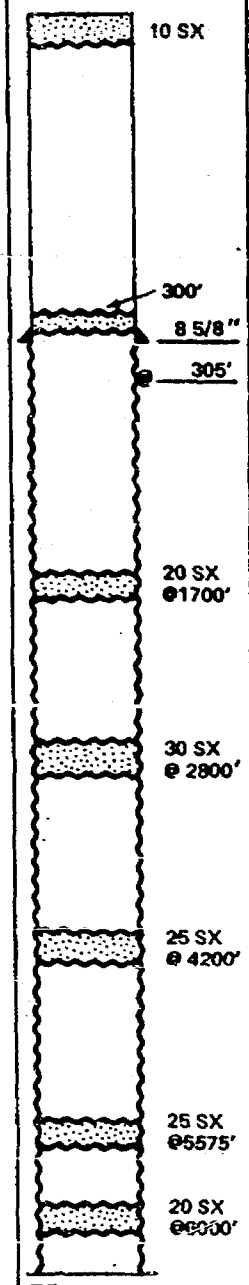
COMPLETION DATE 3-23-62 (P&A) — C.H. SWEET 'B' McKINLEY NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL SECTION 20G BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3656' [DF] G.L. ELEV. _____ TD 6175' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	305	225	Circ.	12 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4113	-456e
GL	4201	-544e
I	4206	-549e
II	4267	-610e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-24-78 KI

D&A (G-SA)
COMPLETION DATE 8-62
RECOMPLETION DATE 2-19-63

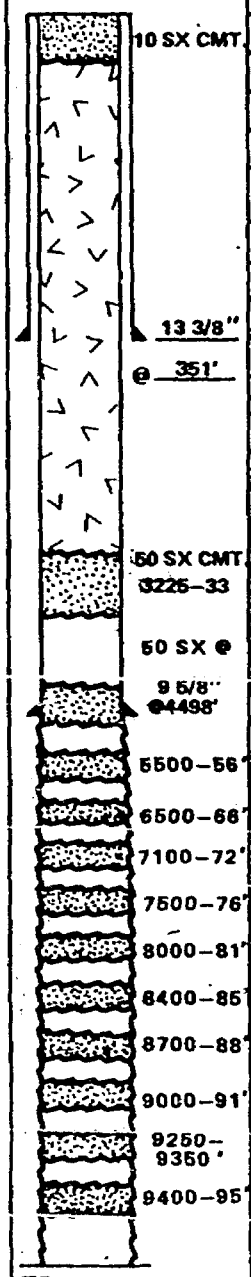
SHELL McKINLEY "A-19" NO. 1
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: _____

LOCATION 2310' FSL & 1650' FEL SECTION 19J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, NM

DATUM 3655' [DF] G.L. ELEV. _____ TD 9550' PBTD D&A [ ]



CASING RECORD *CALCULATED AT 50% EFFICIENCY

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	351	350	Circ.*	17"
9 5/8"	36,40#	4498	2500	Circ.*	12 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	4498-9550	
	Bowers	3260-3301	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

COMPLETION DATE 9/30
P&A DATE 4/17/63

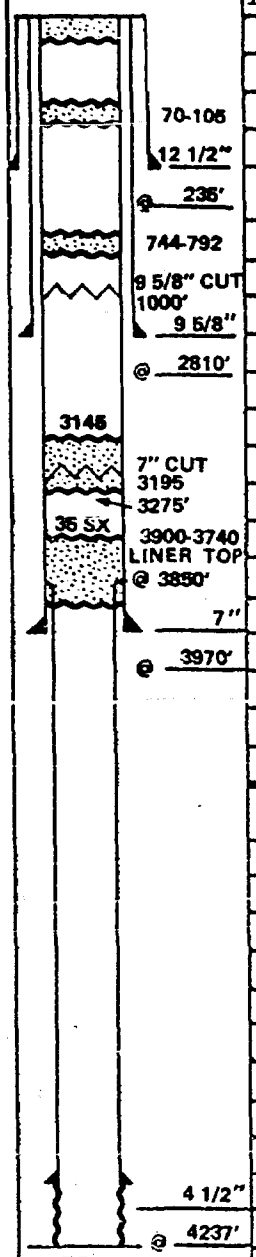
SHELL McKINLEY "A" NO. 8
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: _____

LOCATION 2310' FSL & 1320' FEL SECTION 19I BLOCK _____

SURVEY T-18-S, R-38E COUNTY Lea County, New Mexico

DATUM 3659' [DF] G.L. ELEV. _____ TD 4270' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50 #	235	300	Circ.*	17"**
9 5/8"	36 #	2810	600	1046*	12 1/4"**
7"	24 #	3970	225	2398*	8 1/2"**
4 ½"lnr.	11.6 #	3850/4237	70	3699*	6"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G-SA	3970-4210	
	G-SA	4237-4270	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

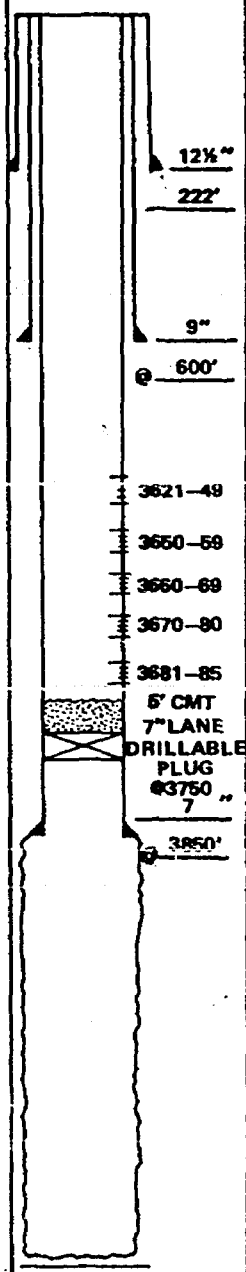
COMPLETION DATE 6-16-30 — SHELL ST. "A" # 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 8-20-41 — HOBBS (G/SA) FIELD

LOCATION 970' FNL & 330' FEL — SECTION 32 — BLOCK H

SURVEY T-18-S, R-38-E — COUNTY Lea

DATUM _____ ( ) G.L. ELEV. 3638 — TD 4175' — PBTD 3745' ( )



CASING RECORD *CALCULATED AT 50% EFFICIENCY

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	222'	135	15'*	16"**
9"	35#	2755'	600	1045'*	10 1/2"**
7"	24#	3850'	200	3062'*	8 3/8"**

LOGGING RECORD *EST

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8-24	Bowers	3681-3685	5 - 9/16"
8-24	Bowers	3670-3680	16 - 9/16"
8-24	Bowers	3660-3669	11 - 9/16"
8-24	Bowers	3650-3659	8 - 9/16"
8-24	Bowers	3621-3649	15 - 9/16"

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 11 SX Aquagel

DATE: 7-79 JRK

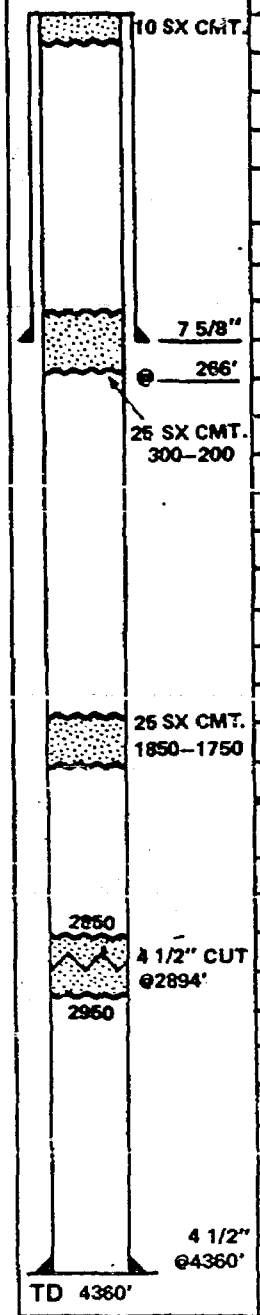
COMPLETION DATE D&A 1-62 — SHELL STATE "HG" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 3-30-62 — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330' FWL — SECTION 17D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3667' [DF] G.L. ELEV. _____ TD 4360' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
7 5/8"	24#	266	230	Circ.	9 7/8"
4 1/2"	11.6#	4360	350	2074	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

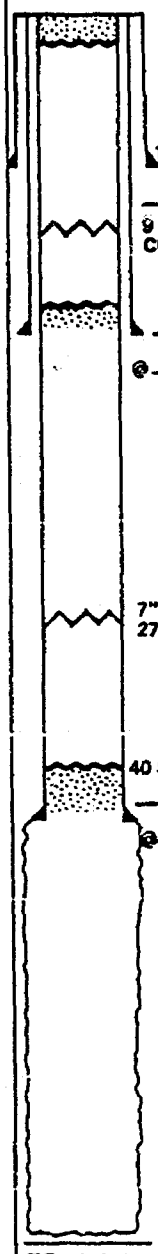
COMPLETION DATE 1-36 — SHELL STATE "E" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE ~~12/21/38~~ — HOBBS (G-SA) UNIT

LOCATION 4620' FNL & 330' FEL — SECTION 14P — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3686' [DF] G.L. ELEV. _____ TD 4180' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	229	150	45*	17"
9 5/8"	36#	1612	650	Circ.*	12"
7"	24#	4014	280	2326*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/36	G-SA	4014-4180	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: ~~12/78 FLL~~

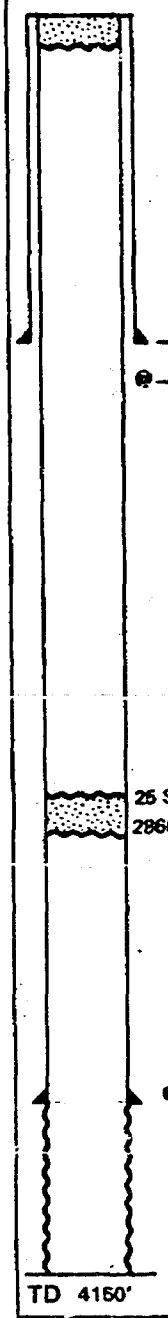
COMPLETION DATE 9/48 — SHELL STATE "F" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10/15/57 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 330' FEL — SECTION 23A — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3673' [DF] G.L. ELEV. _____ TD 4150' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	1592	525	Circ.*	11"
4 1/2"	9.5#	4099	130	3249*	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	4099-4122	
	Bower	3300-3350	
		2745-2860	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:12/78 KLL

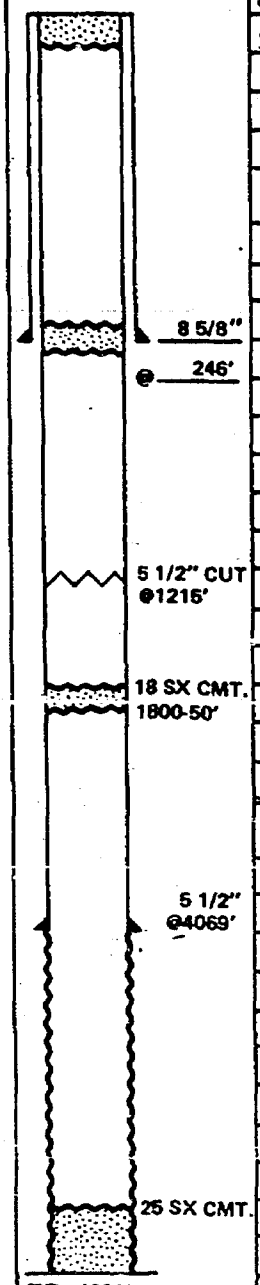
COMPLETION DATE 1/48 — SHELL SANGER NO. 1 (KING) — COMPLETION INTERNAL: _____

D&A DATE 1/48 — HOBBS (G-SA) UNIT

LOCATION 4637' FNL & 2638' FEL — SECTION 27 O — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3629' — TD 4286' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	246	200	Circ.*	11"
5 1/2"	14,17#	4069	350	2173*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/48	G-SA	4069-4286	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

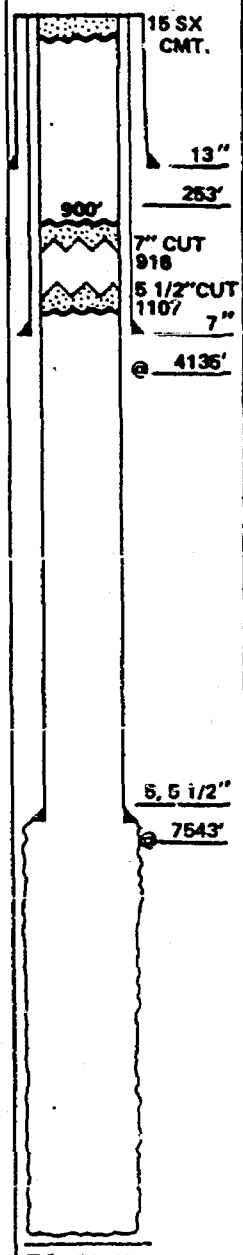
COMPLETION DATE 1-47 — SUN McKINLEY "B" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 2-15-47 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FWL SECTION 20G BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3651' TD 8010' P8TD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	253	150	Circ.*	16"
7"	24#	4135	875	1130*	9 7/8"
5, 5 1/2"	18, 15.5#	7543	350	4489*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
		7543-8010	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

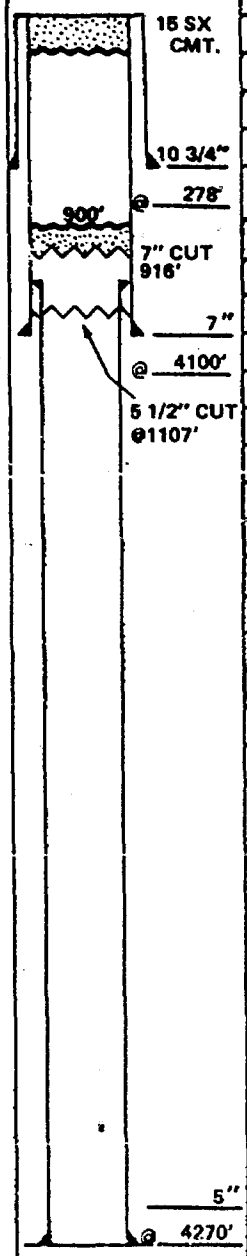
COMPLETION DATE 3-52 — SUN McKINLEY "B" NO. 1-A — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 1980' FEL — SECTION 20G — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3655' — TD 4270' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40.5#	278	125	Circ.*	13"
7"	20#	4100	350	1985*	8 3/4"
5"/nr.	15.5#	4050/4270	50	4050*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4147-90	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

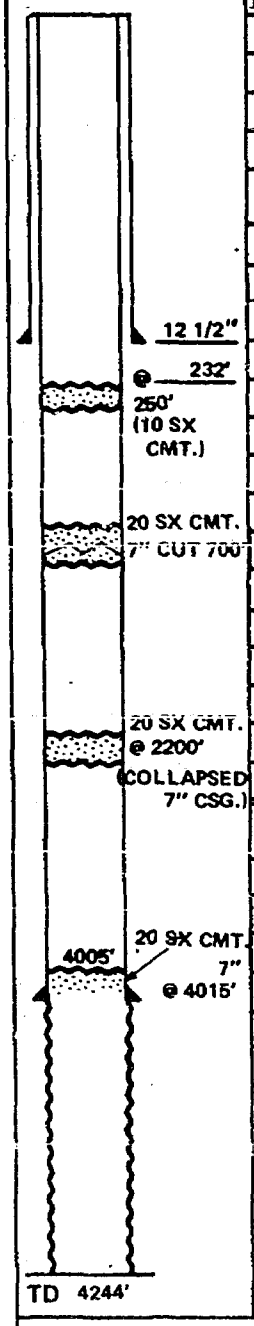
COMPLETION DATE 11-34 — C.H. SWEET-GRIMES NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 11-20-52 — HOBBS (G-SA) UNIT

LOCATION _____ SECTION 20I BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3647' TD 4244' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50 #	232	150	48*	17"**
7"	24 #	4015	550	699*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/34	G-SA	4015-4244	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

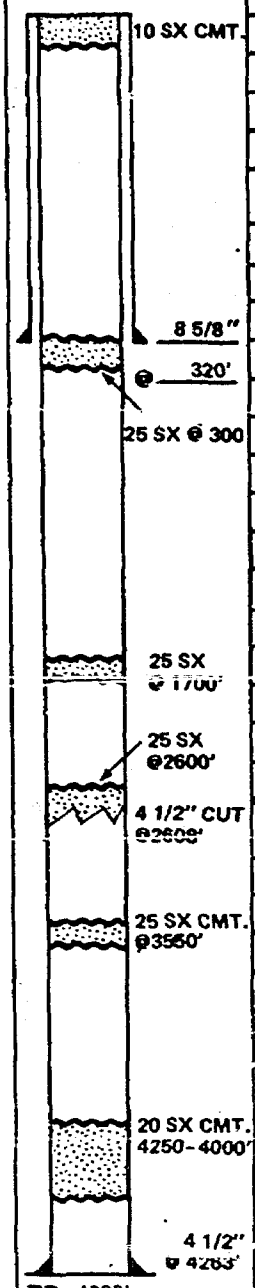
COMPLETION DATE 11/59 — WISER--GULF ST. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 6/18/65 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 1650' FEL — SECTION 26B — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3674' [DF] G.L. ELEV. _____ TD 4263' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	320	200	Circ.*	11"
4 1/2"	11.6#	4263	240	3321*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/59	G-SA	4000-4256	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

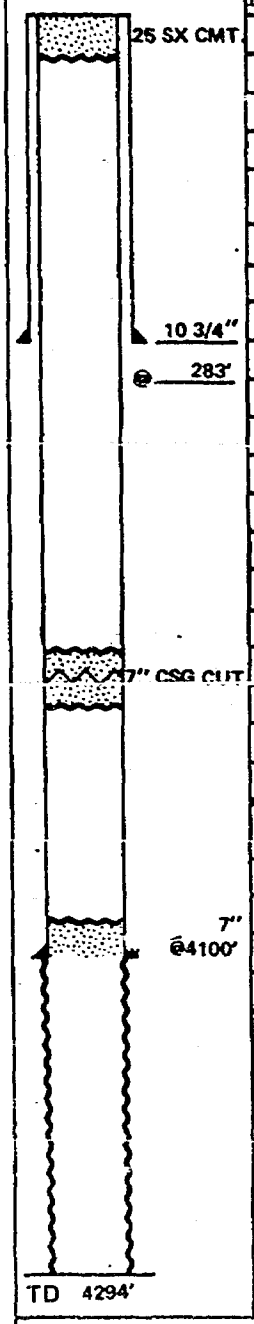
COMPLETION DATE 9-52 — ANTWEIL-MORRIS NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 11-52 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 330' FWL — SECTION 21E — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3457' [DF] — G.L. ELEV. _____ — TD 4294' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	283	150	55*	15"
7"	20#	4100	150	3196*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/52	G-SA	4100-4294	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12 78 KL

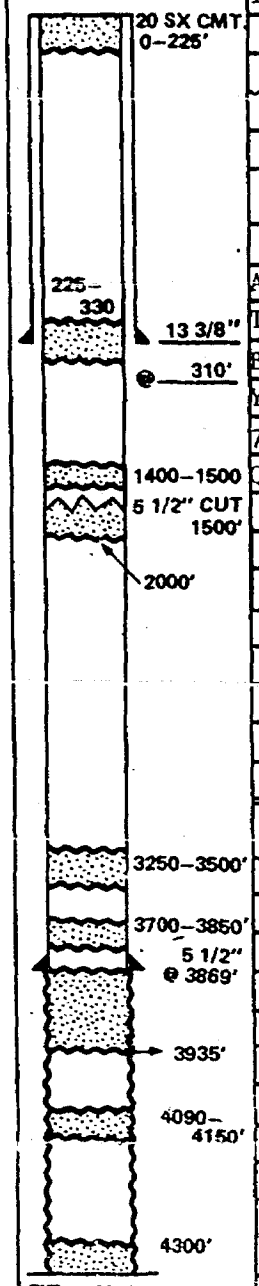
COMPLETION DATE 5-9-57 — CACTUS DRLG. PAN AM. NO. 1 — COMPLETION INTERNAL: P&A

P&A DATE 8-57 — HOBBS (G-SA) UNIT

LOCATION 355' FNL & 990' FWL — SECTION 26D — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3688' (DF) G.L. ELEV. — TD 4359' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	-	310	150	96 *	17 1/4"
5 1/2"	15.5#	3869	150	*3099	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1712	
T Salt	1810	
B Salt	2780	
Yates	2938	
7 Riv	3217	
Queen	3792	
G	4251	-563
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/57	G	3869-4359	OH
		3785-3807	
		3450-3595	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:8-23-78 KI

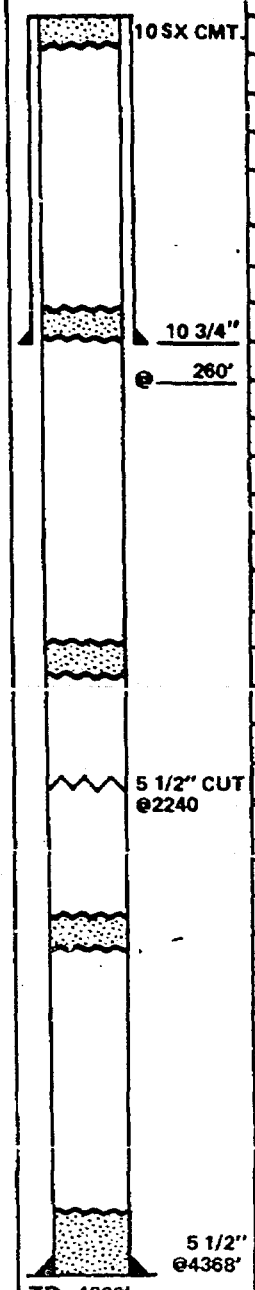
COMPLETION DATE 1/30/58 — R.D. COLLIER-PAN AM. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 6/13/58 — HOBBS (G-SA) UNIT

LOCATION 660' FSL & 660' FEL — SECTION 12P — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3680' [DF] G.L. ELEV. _____ TD 4368' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	24#	260	100	Circ.	15"**
5 1/2"	17#	4368	300	2828*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/58	G-SA	4291-4350	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

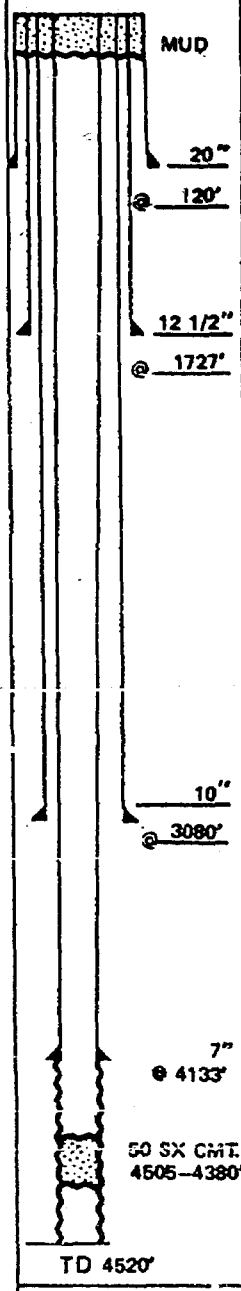
COMPLETION DATE 8/30 — LANDRETH PROD-STATE NO. 1-A — COMPLETION INTERNAL: _____

P&A DATE 8/7/31 — HOBBS (G-SA) UNIT

LOCATION 440' FSL & 2200' FEL — SECTION 7 0 — BLOCK _____

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

DATUM 3674' [DF] G.L. ELEV. _____ — TD 4520' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
20"	90#	120			
12 1/2"	50#	1727	Information		
10"	40#	3080	not available.		
7"	24#	4133			

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: No other well records available.

DATE:

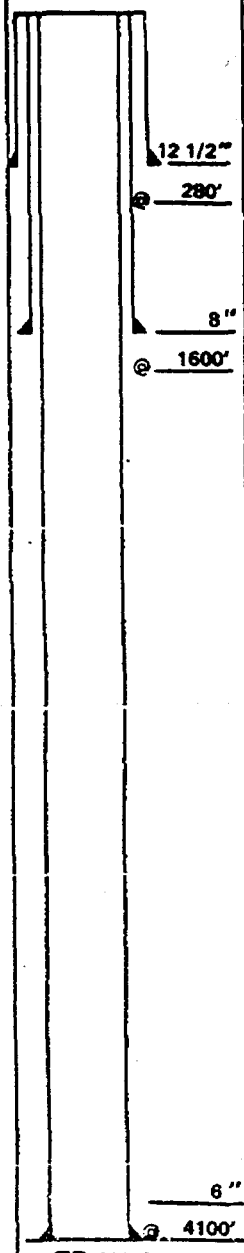
COMPLETION DATE _____ HOBBS HIGH INC–TATUMS NO. 1 COMPLETION INTERNAL: _____

P&A DATE 5/36 HOBBS (G–SA)UNIT

LOCATION 990' FSL & 330' FWL SECTION 35M BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3610' [DF] G.L. ELEV. _____ TD 4100' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"		280			
8"		1600	Information		
6"		4100	not available.		

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

CITY OF HOBBS

RESOLUTION NO. 2091

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE INDUSTRIAL WATER CONTRACT WITH SHELL OIL COMPANY

BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF HOBBS THAT:

The Mayor be and he is hereby authorized to execute on behalf of the City of Hobbs the original Industrial Water Contract between Shell Oil Company and the City of Hobbs dated June 1, 1978, effective upon execution of the Contract. A copy of the Contract is attached hereto and incorporated herein by reference.

INTRODUCED, PASSED AND APPROVED this 7 day of September, 1978.

Bill Wilson
MAYOR

ATTEST:

Jan Edmiston
CITY CLERK

PRESSURE MAINTENANCE PROJECT
EXHIBIT "12"

INDUSTRIAL WATER CONTRACT

DATED: JUNE 1, 1978

BETWEEN

SHELL OIL COMPANY

AND

CITY OF HOBBS

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AGREEMENT

This agreement made and entered into as of the 1st day of June, 1978, by and between the City of Hobbs, a municipal corporation, of Lea County, New Mexico, of the first part (hereinafter known as the City) and Shell Oil Company, a corporation, as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit, of the second part (hereinafter known as the Consumer).

WITNESSETH

WHEREAS, the City has constructed an Industrial Water Treatment Plant that produces an effluent of industrial process water from waste-water discharged into it from the Water Reclamation Facility and from the acquifer adjacent to the present Treatment Plants in Hobbs, New Mexico, and after such water is treated it is a desirable product for the Consumer which has a need for such water and can beneficially apply it to industrial usage.

NOW, THEREFORE, for and in consideration of the mutual covenants, promises and agreements herein contained and for other good and valuable consideration, the parties hereto agree as follows:

ARTICLE I

Definitions

Section 1. The term "day" as used in this agreement shall mean a period of twenty-four (24) consecutive hours beginning and ending at seven (7:00) o'clock A.M.

Section 2. The term "month" as used in this agreement shall mean the period beginning at seven o'clock (7:00) A.M. on the first day of a calendar month and ending at seven o'clock (7:00) A.M. on the first day of the next succeeding calendar month.

Section 3. The term "year" as used in this agreement shall mean the period beginning at seven o'clock (7:00) A.M. on the first day of a month and ending at seven o'clock (7:00) A.M. on the first day of the same month of the next succeeding year.

Section 4. The term "barrel" shall mean a volume equivalent to 42 U.S. gallons.

ARTICLE II

Commencement of Deliveries

The City shall have its facilities ready to deliver industrial water to Consumer October 1, 1979 or as the necessary government permits are acquired. Consumer shall begin payments no later than January 1, 1980.

ARTICLE III

Delivery Point and Pressure

Consumer shall provide, construct and maintain all equipment, pipeline and facilities necessary to receive the industrial water at a point in the northwest corner of the City's property on the existing fourteen (14) inch pipeline at a mutually agreeable point. Pressure at the point of delivery is not guaranteed.

ARTICLE IV

Quantity

Section 1. Subject to other articles of this agreement, the minimum quantity of industrial water to be delivered and received under this contract, designated as "annual contract quantity", shall be as listed.

Minimum Annual Contract Quantity:

Contract Year	Contract Quantity (Barrels)
1	18,250,000

Optional Minimum Annual Contract Quantity:

Contract Year	Contract Quantity (Barrels)
2	18,250,000
3	17,520,000
4	17,160,000
5	16,790,000
6	16,430,000
7	12,050,000
8	10,950,000
9	10,950,000
10	7,300,000
11	5,480,000

Optional Minimum Annual Contract Quantity (Continued)

Contract Year	Contract Quantity (Barrels)
12	5,480,000
13	3,650,000
14	3,650,000
15	3,650,000
16	3,650,000
17	3,650,000
18	3,650,000
19	3,650,000
20	3,650,000

Section 2. The Consumer shall not be required to take a continuous equal daily flow of industrial water and the City will not be required to produce a daily minimum quantity of industrial water provided the minimum quantity available for delivery during each monthly period will equal the amount of water that the Consumer covenants to purchase. Unless the City is provided with a tentative schedule of water demand by the Consumer, and acceptable to both parties, it will be assumed that monthly demand will be 1/12 of annual contract quantity.

Section 3. The Consumer shall have the first call on any quantity in excess of contract amounts of industrial water, at the existing contract price, that the City has available for sale, excepting such amounts as may be committed by contracts with other consumers and excepting such excess quantities as may be delivered under contracts heretofore entered into with other consumers.

Section 4. It is appreciated by both parties to this agreement that mechanical failures are possible and that production and delivery problems may be encountered by the Consumer in its pipeline system or injection wells and each agrees to cooperate with the other in efforts to remedy any system failures.

ARTICLE V

Quality

The City will provide industrial processed water with the following minimum quality standards.

Parameter	Maximum Concentration
CL_2	0.5 Mg/L
SS	25 ppm
Particle Size	25 Microns

ARTICLE VI

Metering

Consumer, at its sole cost, risk and expense shall install and maintain at the point of delivery on the City's property a flow meter of sufficient size and type to measure the contracted quantities of industrial water. Readings shall be taken daily by the City and will be available to the Consumer at its request. These readings will be used to compute the quantity for the billing period.

If for any reason, any of the measuring equipment is out of service, or out of repair, so that the volume of industrial water purchased can not be ascertained or computed from readings thereof, the volume of industrial water purchased during the period such equipment is out of service or repair shall be estimated and agreed upon by the parties hereto on the basis of the best data available.

ARTICLE VII

Price

Section 1. The City will sell and the Consumer will purchase the industrial water quantities indicated in Article IV based on a minimum monthly rate of one-twelfth (1/12) the annual quantity and a price of one and one-half cents (1-1/2¢) per barrel.

Section 2. So long as the Consumer is not in default, any minimum quantity of industrial water paid for but not taken in any monthly period may be accumulated and taken in any succeeding monthly period during the term of the contract at no additional cost to the Consumer, provided, that the City will not be required to produce such industrial water over and above its normal operating capacity to meet such accumulated demand.

Section 3. The City should have available for consumption at the point of discharge into Consumer's facilities, an amount of water equal to the quantity the Consumer agrees to purchase monthly. Any failure of the City to produce and have available such quantity of industrial water during any monthly period shall excuse the Consumer from its covenant to pay the minimum monthly charge for that month, the Consumer being liable only for the quantity consumed.

Section 4. Subject to all other provisions in this Article, Consumer shall pay, or cause to be paid, all taxes that may be appropriate from this sale.

ARTICLE VIII

Term

Section 1. The Consumer shall purchase the mentioned minimum quantities of industrial processed water for a minimum period commencing when Consumer is ready to receive such water, but not later than the date indicated in Article II, and ending December 31, 1980.

Section 2. The Consumer shall have, and the City hereby grants to the Consumer, the right at its option, at any time prior to six (6) months before the expiration of the agreement, to renew and extend this agreement for an additional term of two (2) years or more, and for successive such terms thereafter. In case the Consumer elects to renew and extend this agreement it shall signify its election by written notice mailed to the Hobbs City Manager within the time above limited. All terms, conditions and covenants contained in this agreement shall be applicable to such extensions, excepting that the annual contract quantity may be adjusted downward by Consumer and excepting that the price per barrel of water may be adjusted upward or downward based on any increase or decrease in operational costs or capital investment to supply such water. For purposes of such price adjustment, only such direct operational costs and capital investments as are necessary for production and availability of industrial water at the City's Industrial Water Treatment Plant shall be considered, and only a prorata portion of such costs and investments based on the total quantities of water produced and available (whether or not sold) at said

plant shall be attributed to water sold under this agreement. Consumer shall have a minimum of ninety (90) days notice and be supplied all records and/or design and economic data pertinent to increases in operational costs and additional capital investments and full information as to the total quantities of water produced and available at the plant.

Section 3. If the Consumer should not use the minimum contracted quantities of industrial water in the initial contract period ending December 31, 1980, or in any subsequent contract period, the unused portion will be carried into the next succeeding contract period with the Consumer paying the excess of the current unit (per barrel) price over the previous contract price and using this quantity of industrial water as a credit against the minimum annual contract quantity during the current contract period, with such credit quantity being distributed equally over the number of months involved in the current contract period.

ARTICLE IX

Payment

The Consumer shall pay monthly, within thirty (30) days of billing, for the quantity of industrial processed water consumed during the calendar month; however, at no time shall the cummulative amount paid be a smaller fraction of the total year's contract price than the fraction of the year which has expired. Consumer, at its request, may make monthly payments of 1/12 minimum annual quantities with a six-month adjustment period.

ARTICLE X

Force Majeure

Section 1. The term "force majeure" as employed herein shall mean Act of God, strikes, lockouts, or other industrial disturbances, act of the public enemy, wars, blockades, insurrections, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, washouts, arrests and restraints, and orders of the government, either Federal or State, civil or military, civil disturbances, explosions, sabotage, malicious mischief, breakage or accident to machinery or lines of pipe, freezing of wells or lines of pipe, temporary failure of water supply, temporary or permanent plugging of injection wells, inability of any party hereto to obtain

necessary materials, supplies or permits due to existing or future rules, regulations, orders, laws or proclamations of governmental authorities (both Federal and State), including both civil and military, and any other causes, whether of the kind herein enumerated or otherwise, not reasonably within the control of the party claiming suspension of obligations by reason of force majeure.

Section 2. It is understood and agreed that the settlement of strikes or other labor difficulties shall be entirely within the discretion of the party having the difficulty and that any requirement that force majeure shall be remedied with all reasonable dispatch shall not require the settlement of labor difficulties by acceding to the demands of the opposing party when such course is inadvisable in the discretion of the party having the difficulty.

Section 3. In the event either party hereto is rendered unable, wholly or in part, by force majeure to carry out its obligations under this contract, it is agreed that such party shall give notice and full particulars of such force majeure in writing or by telegraph to the other party; thereupon, the obligations of the party giving the notice, so far as they are affected by force majeure, shall be suspended during, but no longer than, the continuance of the force majeure. The affected party shall use all reasonable means to remedy the force majeure, if possible, with all reasonable dispatch.

Section 4. It is specifically agreed that in the event Consumer is at any time rendered unable, by reason of any action or inaction by Federal or State governmental authorities or other force majeure, to inject into the North Hobbs (Grayburg-San Andres) Unit during any month a quantity of water equal to 1/12 of the current minimum annual contract quantity, such minimum annual contract quantity shall be reduced for the current year by the number of barrels Consumer is unable to inject during each such month. It is further agreed that if such disability continues for any period of six (6) consecutive months or more, Consumer shall have the right, at its option, to terminate this agreement effective upon written notice to the City thereof.

ARTICLE XI

Defaults

Section 1. It is covenanted and agreed that if either party hereto shall fail to perform any of the covenants or obligations imposed upon it under and by virtue of this contract, then in such event the other party hereto may, at its option, terminate this contract by proceeding as hereinafter provided.

Section 2. The party not in default shall cause a written notice to be served on the party in default stating specifically the cause for terminating this contract and declaring it to be the intention of the party giving the notice to terminate the same; whereupon, the party in default shall have thirty (30) days after the service of the aforesaid notice in which to remedy or remove the cause or causes stated in the notice for terminating the contract, and if within said period of thirty (30) days the party in default does so remedy or remove said cause, then such notice shall be withdrawn and this contract shall continue in full force and effect. In case the party in default does not so remedy or remove the cause or causes or does not indemnify the party giving the notice for any and all consequences of such breach, within said period of thirty (30) days, then, at the option of the party giving the notice, this contract shall become null and void from and after the expiration of said period.

Section 3. Any cancellation of this contract pursuant to the provisions of this Article XI shall be without prejudice to the right of the City to collect any amounts then due from the Consumer for industrial water delivered prior to the time of cancellation and shall be without prejudice to the right of the Consumer to receive any industrial water for which it has paid but has not received, although entitled thereto, prior to the time of cancellation, and without waiver of any remedy to which the party not in default may be entitled for violation of this contract.

ARTICLE XII

Miscellaneous

Section 1. Each party shall hold the other party harmless from any and all damages and claims that may arise by reason of any negligence

on the part of the indemnifying party, its agents or employees, in going about the premises in performance of this agreement; and in case any action is brought against such other party for any acts solely involving the employees or agents of the indemnifying party, the indemnifying party shall assume full responsibility for the defense thereof.

Section 2. Neither party to this agreement shall assign this agreement in whole or in part without the written consent of the other, provided that Consumer's rights and obligations hereunder may at any time be formally assigned and transferred to the current operator of the North Hobbs (Grayburg-San Andres) Unit.

Section 3. This agreement is executed by Shell Oil Company as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit, in Lea County, New Mexico, acting for and on behalf of the unit working interest owners. It is hereby agreed that unless on or before January 1, 1980, (a) said unit has become effective, (b) this agreement has been approved by said working interest owners and (c) all necessary rights of way have been obtained by the unit, this agreement shall then terminate and be of no further force or effect unless otherwise mutually agreed by the parties hereto. If it should appear to Consumer at any time substantially in advance of said date that said conditions will not be met, Consumer shall notify the City thereof and if requested by the City, this agreement shall then be terminated by mutual agreement of the parties.

Section 4. All notices required under this agreement shall be considered as given when deposited in the U. S. Mail with sufficient postage thereon and addressed as follows:

CITY MANAGER
CITY OF HOBBS
P. O. BOX 1117
HOBBS, NEW MEXICO 88240

SHELL OIL COMPANY
P. O. BOX 991
HOUSTON, TEXAS 77001

IN WITNESS WHEREOF, the parties hereto execute this agreement as of the day and year first above written.

CITY OF HOBBS
A Municipal Corporation

By: _____
MAYOR

Approved as to form:

_____
CITY ATTORNEY

ATTEST:

_____
CITY CLERK

SHELL OIL COMPANY, a corporation, as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit

By: _____
R. U. Howard
Division Production Manager
Mid-Continent Division

PROPOSED

SPECIAL RULES AND REGULATIONS
FOR THE
NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
PRESSURE MAINTENANCE PROJECT

RULE 1. The project area of the North Hobbs (Grayburg-San Andres) Unit Pressure Maintenance Project shall consist of those basic project areas which are those proration units within the boundaries of the North Hobbs (Grayburg-San Andres) Unit upon which is located an injection well and any directly or diagonally offsetting proration unit which contains a producing well.

RULE 2. The project area shall receive a project area allowable, and said project area allowable shall be the sum of the basic project area allowable plus the water injection credit allowable.

RULE 3. The basic project area allowable shall be equal to 80 barrels of oil per day times the number of developed 40-acre proration units in the project area.

RULE 4. The water injection credit allowable shall be based upon the following formula:

$$\text{Water Injection Credit Allowable} = \left[\frac{\text{Net Water Injected}}{\text{Basic Project Area Allowable} \times \text{Reservoir Voidage}} - 1 \right] \times \text{Basic Project Area Allowable}$$

The water injection credit allowable shall be calculated in accordance with the procedures and parameters depicted on Attachments "A" and "B".

In no event shall the water injection credit allowable be less than zero, i.e., negative numbers derived from application of the above formula shall be ignored.

RULE 5. The weighted average project area reservoir pressure shall be determined prior to commencement of injection of water into the reservoir and at least annually thereafter.

RULE 6. The project area allowable may be produced from the wells within the project area in any proportion provided, however, that any proration unit situated on the boundary of the North Hobbs (Grayburg-San Andres) Unit which proration unit is not directly or diagonally offset by a Grayburg-San Andres injection well outside said North Hobbs Unit or on the North Hobbs Unit boundary shall not be permitted to produce in excess of 80 barrels of oil per day.

RULE 7. Those wells within the North Hobbs Unit Area that are not included within the project area as defined above shall be prorated in accordance with the Rules and Regulations of the Division.

RULE 8. The Division Director shall have authority to approve, without notice and hearing, the drilling of wells at unorthodox locations anywhere within the unit boundary, provided however, no unorthodox location

shall be closer than ten feet to any quarter-quarter section line, and provided further, that no such unorthodox location shall be closer than 330 feet to the outer boundary of the unit area, unless such well is covered by a lease-line agreement with the operator of the lands offsetting such well, and a copy of the lease-line agreement accompanies the application for such unorthodox location, or unless such offset operator has waived objection to the proposed unorthodox location in writing, and his waiver accompanies the application.

RULE 9. No well shall be placed on water injection in the North Hobbs Unit Area unless the Division Director has approved such well for injection. Applications for injection approval shall be filed in accordance with Rule 701 of the Division Rules and Regulations.

RULE 10. Each newly drilled injection or producing well shall be equipped as follows:

a. Minimum of 350 feet of surface casing and production casing run to total depth (approximately 4500 feet) or

b. Surface casing cemented below the "red beds" (approximately 1600 ft.) and "production" casing run to total depth (approximately 4500 feet) or

c. Other procedures may be used after receiving administrative approval of the Director of the Oil Conservation Division.

All casing strings shall be cemented to the surface except that in any well in which an intermediate casing string has been run and cemented to the surface, the "production" string may be cemented back into the base of the intermediate casing.

RULE 11. Injection shall be accomplished through tubing installed in a packer set within 100 feet of the uppermost perforation, or in case of an open hole completion, 100 feet above the casing shoe. The injection tubing shall be corrosion protected by a non-reactive internal lining or coating. The casing-tubing annulus in each injection well shall be filled with an inert fluid and a surface pressure gauge or approved leak detection device shall be attached to the annulus.

RULE 12. The injection wells or system shall be equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 0.2 psi per foot of depth to the injection zone. The Division Director may administratively authorize a pressure limitation in excess of the above upon showing by the unit operator that such higher pressure will not result in fracturing of the confining strata.

RULE 13. All wells within the project area shall be equipped with risers or in some other acceptable manner as to facilitate the periodic testing of the bradenhead for pressure or fluid production.

RULE 14 The unit operator shall immediately notify the Supervisor of the Hobbs District Office of the Division of the failure of the tubing or packer in any of said injection wells, the leakage of water or oil from or

around any producing well, the leakage of water or oil from or around any plugged and abandoned well within the project area, or any other evidence of fluid migration from the injection zone, and shall take such timely steps as may be necessary or required to correct such failure or leakage.

RULE 15. Prior to placing any well on injection, other than a newly drilled well drilled under provision of Rule 9, a cement bond log shall be run on said well. Copies of all cement bond logs shall be sent to the Hobbs District Office of the Division. If any well is found to have an inadequate casing-cement bond, such measures as may be necessary to prevent leakage or migration of fluids from the Grayburg-San Andres reservoir shall be taken before placing the well on injection.

Where multiple casing strings prevent technical interpretation of bonding, the cement bond will be deemed adequate when the log shows acoustic coupling with the formation. In addition, radioactive tracer surveys, or any other acceptable survey presently available or developed in the future, that show no fluid migration out of the Grayburg-San Andres reservoir will be acceptable evidence of bonding.

NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
PRESSURE MAINTENANCE PROJECT

HOBBS (GRAYBURG-SAN ANDRES) POOL, LEA COUNTY, NEW MEXICO

WATER INJECTION CREDIT ALLOWABLE CALCULATION DATA

$$\text{Water Injection Credit Allowable} = \left[\frac{W_I - W_p}{BPAA \quad B_o + \frac{(R_p - R_s)}{(1{,}000)} B_g} - 1 \right] \times BPAA$$

W_I = _____ = Average daily water injection during previous month, barrels per day, project area only.

W_p = _____ = Average daily water produced during previous month, barrels per day, project area only.

BPAA = _____ = Basic project area allowable, 80 bopd x _____ (number of developed 40-acre tracts in project area).

P = _____ = Weighted average project area reservoir pressure, psig, from _____, 19__, survey data.

B_o = _____ = Oil formation volume factor, reservoir barrels per stock tank barrel (Attachment B).

R_p = _____ = Producing gas-oil ratio, cubic feet per barrel for previous month.

R_s = _____ = Solution gas-oil ratio, cubic feet per barrel (Attachment B).

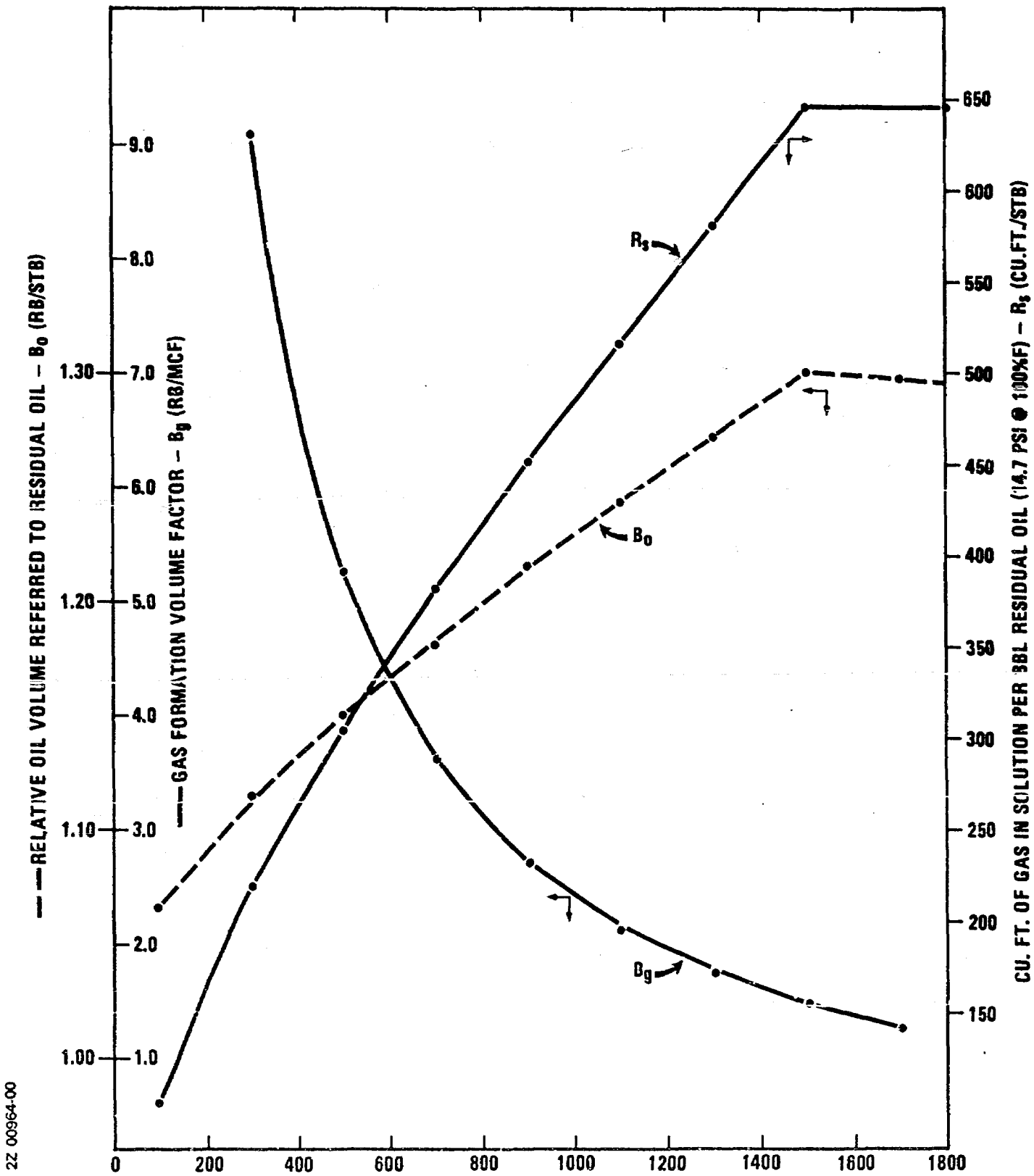
B_g = _____ = Gas formation volume factor, reservoir barrels per Mcf (Attachment B).

Water injection credit allowable for _____, 19__, = _____ barrels of oil per day.

ATTACHMENT A

OIL (B_o) AND GAS (B_g) FORMATION VOLUME FACTORS
AND GAS SOLUBILITY VS RESERVOIR PRESSURE

GRAYBURG–SAN ANDRES RESERVOIR
HOBBS FIELD
LEA COUNTY, NEW MEXICO



ATTACHMENT 8

NORTH HOBBS (G/SA) UNIT
WELL NUMBERS
CROSS - REFERENCE
BY UNIT WELL #

T18SR37E

N. Hobbs (G/SA) Unit Sec. 13

Unit Well #		
13-121	=	Continental - "B" State #5
13-131	=	Continental - "B" State #7
13-141	=	Continental - "B" State #2
13-211	=	Continental - "B" State #6
13-221	=	Continental - "B" State #4
13-241	=	Continental - "B" State #1
13-331	=	Shell - Rice #4
13-341	=	Shell - Rice #2
13-431	=	Shell - Rice #3
13-441	=	Shell - Rice #1

N. Hobbs (G/SA) Unit Sec. 14

Unit Well #		
14-231	=	Amerada Hess = "WHB" State #2
14-241	=	Gulf - "FO" State #1
14-321	=	Getty - "B" State #2
14-331	=	Tex. Pac. - "V" State #2
14-341	=	Amerada Hess - "WHB" State #1
14-421	=	Getty - "B" State #1
14-431	=	Tex. Pac. - "V" State #1
14-441	=	Estes. Engr. - State #1

N. Hobbs (G/SA) Unit Sec. 23

Unit Well #		
23-121	=	C&C Shipp - State #1
23-211	=	Tex. Pac. - "V" State #3
23-221	=	Tex. Pac. - "V" State #4
23-231	=	Tex. Pac. - "V" State #5
23-241	=	Tex. Pac. - "V" State #6
23-311	=	Shell - "F" State #3
23-321	=	Shell - "F" State #2
23-331	=	Yates - Shell - State #2
23-341	=	Yates - Shell - State #3
23-411	=	C. H. Sweet - "F" State #1-A
23-412	=	C. H. Sweet - "F" State #4
23-421	=	C. H. Sweet - "F" State #2-A
23-431	=	C. H. Sweet - "F" State #3
23-441	=	Yates - Shell - State #1

N. Hobbs (G/SA) Unit Sec. 24

Unit Well #		
24-111	=	Amerada Hess "E" State #2
24-121	=	Amerada Hess "E" State #1
24-131	=	Samedan "C" State #3
24-141	=	Samedan "C" State #4
24-211	=	Shell "D" State #2
24-221	=	Shell "D" State #1
24-231	=	Samedan "C" State #2
24-241	=	Samedan "C" State #1
24-311	=	Gulf Graham - State #4
24-321	=	Gulf Graham - State #3
24-331	=	Tex. Pac. "G" State #3
24-341	=	Tex. Pac. "G" State #4
24-411	=	Gulf Graham - State #6
24-412	=	Gulf Graham - State #2
24-421	=	Gulf Graham - State #5
24-422	=	Gulf Graham - State #1
24-431	=	Tex. Pac. "G" State #2
24-441	=	Tex. Pac. "G" State #1

N. Hobbs Unit (G/SA) Unit Sec. 25

Unit Well #		
25-111	=	Continental - "B-25" State #2
25-121	=	Samedan - "B" State #2
25-211	=	Continental - "B-25" State #1
25-221	=	Samedan - "B" State #1
25-231	=	Exxon - "A" State #6
25-241	=	Exxon - "A" State #9
25-311	=	Texaco - "C" State #4
25-321	=	Texaco - "C" State #3
25-331	=	Exxon - "A" State #8
25-341	=	Exxon - "A" State #5
25-411	=	Texaco - "C" State #1
25-421	=	Texaco - "C" State #2
25-431	=	Exxon - "A" State #1
25-441	=	Exxon - "A" State #7

N. Hobbs (G/SA) Unit Sec. 26

Unit Well #		
26-311	=	Wiser - "L" State #1
26-411	=	Skelly (Getty) "E" State #1

N. Hobbs (G/SA) Unit Sec. 36

Unit Well #		
36-211	=	Gulf - "D" State #1
36-311	=	Byron - Gulf Holt State #1
36-321	=	Amerada Hess - "C" State #3
36-411	=	Amerada Hess - "C" State #1
36-421	=	Amerada Hess - "C" State #2

T18SR384

N. Hobbs (G/SA) Unit Sec. 17

Unit Well #		
17-121	=	Moranco "T17" State #1
17-131	=	Chevron "17" State #1
17-141	=	Skelly (Getty) - "A" State #1

N. Hobbs (G/SA) Unit Sec. 18

Unit Well #		
18-131	=	Amerada Hess - Hardin #3
18-141	=	Amerada Hess - Hardin #1
18-231	=	Amerada Hess - Hardin #5
18-241	=	Amerada Hess - Hardin #2
18-311	=	Gulf - Hardin #7
18-321	=	Gulf - Hardin #4
18-331	=	Gulf - Hardin #5
18-341	=	Gulf - Hardin #9
18-342	=	Gulf - Hardin #1
18-411	=	Gulf - Hardin #8
18-421	=	Gulf - Hardin #6
18-431	=	Gulf - Hardin #3
18-441	=	Gulf - Hardin #2

N. Hobbs (G/SA) Unit Sec. 19

Unit Well #		
19-111	=	Cities Service - Hardin #5
19-112	=	Cities Service - Hardin #4
19-121	=	Cities Service - Hardin #2
19-131	=	Shell - "A" McKinley #7
19-141	=	Shell - "A" McKinley #1
19-211	=	Cities Service - Hardin #3
19-221	=	Cities Service - Hardin #1
19-231	=	Shell - "A" McKinley #6
19-241	=	Shell - "A" McKinley #4
19-242	=	Shell - "A" McKinley #11
19-311	=	Getty - Hardin #3
19-321	=	Getty - Hardin #1
19-331	=	Shell - "A" McKinley #5
19-341	=	Shell - "A" McKinley #2
19-411	=	Getty - Hardin #4
19-421	=	Getty - Hardin #2
19-431	=	Shell - "A" McKinley #10
19-441	=	Shell - "A" McKinley #3

N. Hobbs (G/SA) Unit Sec. 20

Unit Well #		
#20-111	=	Skelly (Getty) - McKinley #1
#20-121	=	Chevron - McKinley #2
#20-131	=	Shell - "B" McKinley #5
#20-141	=	Shell - "B" McKinley #3

N. Hobbs (G/SA) Unit Sec. 20 (Continued)

Unit Well #		
20-221	=	Chevron - McKinley #1
20-231	=	Shell - "B" McKinley #1
20-232	=	Shell - "B" McKinley #4
20-241	=	Shell - "B" McKinley #2
20-331	=	Bill Sweet - "B" US #2-A
20-341	=	Atlantic - Grimes #1
20-421	=	C. H. Sweet - McKinley B #2
20-431	=	C. H. Sweet - Grimes #1-A
20-432	=	C. H. Sweet - Grimes #3-A

N. Hobbs (G/SA) Unit Sec. 21

Unit Well #		
21-131	=	Gulf - "C" Grimes #3
21-141	=	Gulf - "C" Grimes #1
21-241	=	Gulf - "C" Grimes #2
21-331	=	Antwiel - Hobbs CT #1
21-341	=	Wiser - Morris "A" #1
21-441	=	Wiser - Morris "B" #1

N. Hobbs (G/SA) Unit Sec. 27

Unit Well #		
27-111	=	Shell - Sanger #6
27-121	=	Shell - Sanger #4
27-131	=	Shell - Sanger #3
27-141	=	Shell - Sanger #1
27-231	=	Sehll - Sanger #5
27-241	=	Shell - Sanger #2

N. Hobbs (G/SA) Unit Sec. 28

Unit Well #		
28-111	=	Atlantic - Grimes SOC #3
28-121	=	Atlantic - Grimes SOC #1
28-131	=	Shell - Grimes #2
28-132	=	Shell - Grimes #10
28-141	=	Shell - Grimes #1
28-211	=	Atlantic - Grimes SOC #4
28-221	=	Atlantic - Grimes SOC #2A
28-231	=	Shell - Grimes #3
28-241	=	Shell - Grimes #4
28-311	=	Samedan - "A" Moon #2
28-321	=	Samedan - "A" Moon #1
28-331	=	Continental - Grimes #3
28-341	=	Continental - Grimes #1
28-411	=	Samedan - "B" Moon #2
28-421	=	Samedan - "B" Moon #1
28-431	=	Continental - Grimes #4
28-441	=	Continental - Grimes #2

N. Hobbs (G/SA) Unit Sec. 29

Unit Well		
#29-111	=	Exxon - U.S.A.M.R. Bowers #35
29-121	=	Exxon - U.S.A.M.R. Bowers #7
29-131	=	Exxon - U.S.A.M.R. Bowers #10
29-141	=	Exxon - U.S.A.M.R. Bowers #3
29-211	=	Amerada Hess - "B" Hobbs State #4
29-221	=	Amerada Hess - "B" Hobbs State #1
29-231	=	Continental "A-29" State #3
29-241	=	Continental "A-29" State #2
29-311	=	Amerada Hess "B" Hobbs State #3
29-321	=	Amerada Hess "B" Hobbs State #2
29-331	=	Continental "A-29" State #1
29-341	=	Chevron "A" State #4
29-411	=	Exxon - Grimes #1
29-421	=	Getty - Grimes #4
29-431	=	Getty - Grimes #3
29-441	=	Chevron - "A" State #3

N. Hobbs (G/SA) Unit Sec. 30

Unit Well		
#30-111	=	Amerada Hess - McKinley #1
30-121	=	Amerada Hess - McKinley #4
30-131	=	Marathon - State #3
30-141	=	Marathon - State #9
30-211	=	Amerada Hess - McKinley #3
30-221	=	Amerada Hess - McKinley #2
30-231	=	Marathon - State #1
30-241	=	Marathon - State #2
30-311	=	Getty - McKinley #4
30-321	=	Getty - McKinley #1
30-331	=	Exxon "A" USA Bowers #2
30-341	=	Exxon "A" USA Bowers #36
30-342	=	Exxon "A" USA Bowers #8
30-411	=	Getty - McKinley #5
30-412	=	Getty - McKinley #11
30-421	=	Getty - McKinley #2
30-431	=	Exxon "A" USA Bowers #5
30-441	=	Exxon "A" USA Bowers #4

N. Hobbs (G/SA) Unit Sec. 31

Unit Well		
#31-111	=	Sun - Fowler #1
31-121	=	Sun - Fowler #4
31-131	=	Mobil - Berry #3
31-141	=	Mobil - Berry #4
31-211	=	Skelly (Getty) - Fowler #1
31-221	=	Skelly (Getty) - Fowler #2
31-231	=	Mobil - Berry #1
31-241	=	Mobil - Berry #2
31-311	=	Cities Service - Fowler #2

N. Hobbs (G/SA) Unit Sec. 31 (Cont'd)

Unit Well #		
31-321	=	Cities Service - Fowler #3
31-331	=	Shell - Berry #2
31-341	=	Shell - Berry #4
31-411	=	Cities Service - Fowler #1
31-412	=	Cities Service - Fowler #9
31-421	=	Cities Service - Fowler #4
31-431	=	Shell - Berry #3
31-441	=	Shell - Berry #1

N. Hobbs (G/SA) Unit Sec. 32

Unit Well #		
32-111	=	Gulf - "NCT-A" Grimes #10
32-112	=	Gulf - "NCT-A" Grimes #8
32-121	=	Gulf - "NCT-A" Grimes #19
32-131	=	Gulf - "NCT-A" Grimes #9
32-141	=	Gulf - "NCT-A" Grimes #5
32-211	=	Gulf - "NCT-A" Grimes #7
32-221	=	Gulf - "NCT-A" Grimes #2
32-231	=	Gulf - "NCT-A" Grimes #3
32-232	=	Gulf - "NCT-A" Grimes #20
32-241	=	Gulf - "NCT-A" Grimes #15
32-311	=	Amerada Hess "A" State #1
32-321	=	Shell - "A" State #2
32-322	=	Shell - "A" State #4
32-331	=	Marathon - State #4
32-341	=	Marathon - State #5
32-411	=	Amerada Hess - "A" State #2
32-421	=	Shell - "A" State #3
32-431	=	Marathon - State #3
32-441	=	Marathon - State #2

N. Hobbs (G/SA) Unit Sec. 33

Unit Well #		
33-111	=	Shell - "B" State #1
33-121	=	Amoco - "G" State #1
33-131	=	Continental "A-33" State #2
33-141	=	Continental "A-33" State #1
33-211	=	Shell - "B" State #2
33-221	=	Amoco - "G" State #2
33-231	=	Continental - "A-33" State #3
33-241	=	Continental - "A-33" State #6
33-311	=	Gulf - "B" Grimes #3
33-321	=	Continental - "A-33" State #7
33-331	=	Continental - "A-33" State #4
33-341	=	Continental - "A-33" State #5
33-411	=	Gulf - "B" Grimes #4
33-421	=	Gulf - "B" Grimes #2
33-431	=	Gulf - "B" Grimes #1

N. Hobbs (G/SA) Unit Sec. 34

Unit Well #		
34-211	=	Skelly (Getty) - Turner #2
34-221	=	Skelly (Getty) - Turner #1
34-311	=	Shell - Turner #2
34-321	=	Shell - Turner #1
34-331	=	Samedan - "A" Turner #1
34-341	=	Samedan - "A" Turner #2
34-421	=	Moranco - Hobbs #1
34-431	=	Samedan - "B" Turner #1
34-441	=	Samedan - "B" Turner #2

NORTH HOBBS (G/SA) UNIT
WELL NUMBERS
CROSS - REFERENCE
BY CURRENT OPERATOR/WELL #

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Amerada Hess	Hardin	1	M	=	18	-	18-141
Amerada Hess	Hardin	2	N	=	18	-	18-241
Amerada Hess	Hardin	3	L	=	18	-	18-131
Amerada Hess	Hardin	5	K	=	18	-	18-231
Amerada Hess	McKinley	1	D	=	30	-	30-111
Amerada Hess	McKinley	2	F	=	30	-	30-221
Amerada Hess	McKinley	3	C	=	30	-	30-211
Amerada Hess	McKinley	4	E	=	30	-	30-121
Amerada Hess	State "A"	1	B	=	32	-	32-311
Amerada Hess	State "A"	2	A	=	32	-	32-411
Amerada Hess	State "B"	1	F	=	29	-	29-221
Amerada Hess	State "B"	2	G	=	29	-	29-321
Amerada Hess	State "B"	3	B	=	29	-	29-311
Amerada Hess	State "B"	4	C	=	29	-	29-211
Amerada Hess	State "C"	1	A	=	36	-	36-411
Amerada Hess	State "C"	2	H	=	36	-	36-421
Amerada Hess	State "C"	3	G	=	36	-	36-321
Amerada Hess	State "E"	1	E	=	24	-	24-121
Amerada Hess	State "E"	2	D	=	24	-	24-111
Amerada Hess	State "WHB"	1	O	=	14	-	14-341
Amerada Hess	State "WHB"	2	K	=	14	-	14-231
Amoco	State "G"	1	E	=	33	-	33-121
Amoco	State "G"	2	F	=	33	-	33-221
Amtwicl	Hobbs "CT"	1	J	=	21	-	21-331
Atlantic	Grimes	1	O	=	20	-	20-341
Atlantic	Grimes "SOC"	1	E	=	28	-	28-121
Atlantic	Grimes "SOC"	2A	F	=	28	-	28-221
Atlantic	Grimes "SOC"	3	D	=	28	-	28-111
Atlantic	Grimes "SOC"	4	C	=	28	-	28-211
Byrom	Gulf Holt-State	1	B	=	36	-	36-311
Chevron	McKinley	1	F	=	20	-	20-221
Chevron	McKinley	2	E	=	20	-	20-121
Chevron	State "17"	1	L	=	17	-	17-131
Chevron	State "29"	3	P	=	29	-	29-441
Chevron	State "29"	4	O	=	29	-	29-341
Cities Service	Fowler	1	A	=	31	-	31-411
Cities Service	Fowler	2	B	=	31	-	31-311
Cities Service	Fowler	3	G	=	31	-	31-321
Cities Service	Fowler	4	H	=	31	-	31-421
Cities Service	Fowler	9	A	=	31	-	31-412
Cities Service	Hardin	1	F	=	19	-	19-221
Cities Service	Hardin	2	E	=	19	-	19-121
Cities Service	Hardin	3	C	=	19	-	19-211

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Cities Service	Hardin	4	D	=	19	-	19-112
Cities Service	Hardin	5	D	=	19	-	19-111
Continental	Grimes	1	O	=	28	-	28-341
Continental	Grimes	2	P	=	28	-	28-441
Continental	Grimes	3	J	=	28	-	28-331
Continental	Grimes	4	I	=	28	-	28-431
Continental	State "A29"	1	J	=	29	-	29-331
Continental	State "A29"	2	N	=	29	-	29-241
Continental	State "A29"	3	K	=	29	-	29-231
Continental	State "A33"	1	M	=	33	-	33-141
Continental	State "A33"	2	L	=	33	-	33-131
Continental	State "A33"	3	K	=	33	-	33-231
Continental	State "A33"	4	J	=	33	-	33-331
Continental	State "A33"	5	O	=	33	-	33-341
Continental	State "A33"	6	N	=	33	-	33-241
Continental	State "A33"	7	G	=	33	-	33-321
Continental	State "B-13"	1	N	=	13	-	13-241
Continental	State "B-13"	2	M	=	13	-	13-141
Continental	State "B-13"	4	F	=	13	-	13-221
Continental	State "B-13"	5	E	=	13	-	13-121
Continental	State "B-13"	6	C	=	13	-	13-211
Continental	State "B-13"	7	L	=	13	-	13-131
Continental	State "B25"	1	C	=	25	-	25-211
Continental	State "B25"	2	D	=	25	-	25-111
Mobil	Berry	1	K	=	31	-	31-231
Mobil	Berry	2	N	=	31	-	31-241
Mobil	Berry	3	L	=	31	-	31-131
Mobil	Berry	4	M	=	31	-	31-141
Exxon	Bowers A Fed.	2	J	=	30	-	30-331
Exxon	Bowers A Fed.	3	M	=	29	-	29-141
Exxon	Bowers A Fed.	4	P	=	30	-	30-441
Exxon	Bowers A Fed.	5	I	=	30	-	30-431
Exxon	Bowers A Fed.	7	E	=	29	-	29-121
Exxon	Bowers A Fed.	8	O	=	30	-	30-342
Exxon	Bowers A Fed.	10	L	=	29	-	29-131
Exxon	Bowers A Fed.	36	O	=	30	-	30-341
Exxon	Bowers A Fed. Com.	35	D	=	29	-	29-111
Exxon	Grimes	1	A	=	29	-	29-411
Exxon	New Mexico State	1	I	=	25	-	25-431
Exxon	New Mexico State	5	O	=	25	-	25-341
Exxon	New Mexico State	6	K	=	25	-	25-231
Exxon	New Mexico State	7	P	=	25	-	25-441
Exxon	New Mexico State	8	J	=	25	-	25-331
Exxon	New Mexico State	9	N	=	25	-	25-241
Getty	Grimes	3	I	=	29	-	29-431
Getty	Grimes	4	H	=	29	-	29-421
Getty	Hardin	1	G	=	19	-	19-321
Getty	Hardin	2	H	=	19	-	19-421

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Getty	Hardin	3	B	=	19	-	19-311
Getty	Hardin	4	A	=	19	-	19-411
Getty	McKinley	1	G	=	30	-	30-321
Getty	McKinley	2	H	=	30	-	30-421
Getty	Mckinley	4	B	=	30	-	30-311
Getty	McKinley	5	A	=	30	-	30-411
Getty	McKinley	11	A	=	30	-	30-412
Getty	State "B"	1	H	=	14	-	14-421
Getty	State "B"	2	G	=	14	-	14-321
Getty	Fowler	1	C	=	31	-	31-211
Getty	Fowler	2	F	=	31	-	31-221
Getty	Hobbs "E"	1	A	=	26	-	26-411
Getty	McKinley	1	D	=	20	-	20-111
Getty	State "A"	1	M	=	17	-	17-141
Getty	Turner	1	F	=	34	-	34-221
Getty	Turner	2	C	=	34	-	34-211
Gulf	Graham State "A"	1	H	=	24	-	24-422
Gulf	Graham State "A"	2	A	=	24	-	24-412
Gulf	Graham State "A"	3	G	=	24	-	24-321
Gulf	Graham State "A"	4	B	=	24	-	24-311
Gulf	Graham State "A"	5	H	=	24	-	24-421
Gulf	Graham State "A"	6	A	=	24	-	24-411
Gulf	Grimes "A"	2	F	=	32	-	32-221
Gulf	Grimes "A"	7	C	=	32	-	32-211
Gulf	Grimes "A"	8	E	=	32	-	32-112
Gulf	Grimes "A"	10	D	=	32	-	32-111
Gulf	Grimes "A"	19	E	=	32	-	32-121
Gulf	Grimes "A" No. 2	3	K	=	32	-	32-231
Gulf	Grimes "A" No. 2	5	M	=	32	-	32-141
Gulf	Grimes "A" No. 2	9	L	=	32	-	32-131
Gulf	Grimes "A" No. 2	15	N	=	32	-	32-241
Gulf	Grimes "A" No. 2	20	K	=	32	-	32-232
Gulf	Grimes "B"	1	I	=	33	-	33-431
Gulf	Grimes "B"	2	H	=	33	-	33-421
Gulf	Grimes "B"	3	B	=	33	-	33-311
Gulf	Grimes "B"	4	A	=	33	-	33-411
Gulf	Grimes "C"	1	M	=	21	-	21-141
Gulf	Grimes "C"	2	N	=	21	-	21-241
Gulf	Grimes "C"	3	L	=	21	-	21-131
Gulf	Hardin	1	O	=	18	-	18-342
Gulf	Hardin	2	P	=	18	-	18-441
Gulf	Hardin	3	I	=	18	-	18-431
Gulf	Hardin	4	G	=	18	-	18-321
Gulf	Hardin	5	J	=	18	-	18-331
Gulf	Hardin	6	H	=	18	-	18-421
Gulf	Hardin	7	B	=	18	-	18-311
Gulf	Hardin	8	A	=	18	-	18-411
Gulf	Hardin	9	O	=	18	-	18-341

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Gulf	Holt NCT - D	1	C	=	36	-	36-211
Gulf	Lea FO State	1	N	=	14	-	14-241
Marathon	State 30	1	K	=	30	-	30-231
Marathon	State 30	2	N	=	30	-	30-241
Marathon	State 30	3	L	=	30	-	30-131
Marathon	State 30	9	M	=	30	-	30-141
Marathon	State 32	2	P	=	32	-	32-441
Marathon	State 32	3	I	=	32	-	32-431
Marathon	State 32	4	J	=	32	-	32-331
Marathon	State 32	5	O	=	32	-	32-341
Moran	Hobbs	1	H	=	34	-	34-421
Moran	State "T17"	1	E	=	17	-	17-121
C&C Shipp	"A"	1	E	=	23	-	23-121
Sun	Fowler	1	D	=	31	-	31-111
Sun	Fowler	4	E	=	31	-	31-121
Samedan	Moon "A"	1	G	=	28	-	28-321
Samedan	Moon "A"	2	B	=	28	-	28-311
Samedan	Moon "B"	1	H	=	28	-	28-421
Samedan	Moon "B"	2	A	=	28	-	28-411
Samedan	State "B"	1	F	=	25	-	25-221
Samedan	State "B"	2	E	=	25	-	25-121
Samedan	State "C"	1	N	=	24	-	24-241
Samedan	State "C"	2	K	=	24	-	24-231
Samedan	State "C"	3	L	=	24	-	24-131
Samedan	State "C"	4	M	=	24	-	24-141
Samedan	Turner "A"	1	J	=	34	-	34-331
Samedan	Turner "A"	2	O	=	34	-	34-341
Samedan	Turner "B"	1	I	=	34	-	34-431
Samedan	Turner "B"	2	P	=	34	-	34-441
Shell	Berry	1	P	=	31	-	31-441
Shell	Berry	2	J	=	31	-	31-331
Shell	Berry	3	I	=	31	-	31-431
Shell	Berry	4	O	=	31	-	31-341
Shell	Grimes	1	M	=	28	-	28-141
Shell	Grimes	2	L	=	28	-	28-131
Shell	Grimes	3	K	=	28	-	28-231
Shell	Grimes	4	N	=	28	-	23-241
Shell	Grimes	10	L	=	28	-	28-132
Shell	McKinley "A"	1	M	=	19	-	19-141
Shell	McKinley "A"	2	O	=	19	-	19-341
Shell	McKinley "A"	3	B	=	19	-	19-441
Shell	McKinley "A"	4	N	=	19	-	19-241
Shell	McKinley "A"	5	J	=	19	-	19-331
Shell	McKinley "A"	6	K	=	19	-	19-231
Shell	McKinley "A"	7	L	=	19	-	19-131
Shell	McKinley "A"	10	I	=	19	-	19-431
Shell	McKinley "A"	11	N	=	19	-	19-242
Shell	McKinley "B"	1	K	=	20	-	20-231

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Shell	McKinley "B"	2	N	=	20	-	20-241
Shell	McKinley "B"	3	M	=	20	-	20-141
Shell	McKinley "B"	4	K	=	20	-	20-232
Shell	McKinley "B"	5	L	=	20	-	20-131
Shell	Rice	1	P	=	13	-	13-441
Shell	Rice	2	O	=	13	-	13-341
Shell	Rice	3	I	=	13	-	13-431
Shell	Rice	4	J	=	13	-	13-331
Shell	Sanger	1	M	=	27	-	27-141
Shell	Sanger	2	N	=	27	-	27-241
Shell	Sanger	3	L	=	27	-	27-131
Shell	Sanger	4	E	=	27	-	27-121
Shell	Sanger	5	K	=	27	-	27-231
Shell	Sanger	6	D	=	27	-	27-111
Shell	State "A"	2	G	=	32	-	32-321
Shell	State "A"	3	H	=	32	-	32-421
Shell	State "A"	4	G	=	32	-	32-322
Shell	State "B"	1	D	=	33	-	33-111
Shell	State "B"	2	C	=	33	-	33-211
Shell	State "D"	1	F	=	24	-	24-221
Shell	State "D"	2	C	=	24	-	24-211
Shell	State "F"	2	G	=	23	-	23-321
Shell	State "F"	3	B	=	23	-	23-311
Shell	Turner	1	G	=	34	-	34-321
Shell	Turner	2	B	=	34	-	34-311
Bill Sweet	Bowers "B"	2A	J	=	20	-	20-331
C. H. Sweet	Grimes	1A	I	=	20	-	20-431
C. H. Sweet	Grimes	3A	I	=	20	-	20-432
C. H. Sweet	McKinley "B"	2	H	=	20	-	20-421
C. H. Sweet	State "F"	1A	A	=	23	-	23-411
C. H. Sweet	State "F"	2A	H	=	23	-	23-421
C. H. Sweet	State "F"	3	I	=	23	-	23-431
C. H. Sweet	State "F"	4	A	=	23	-	23-412
Texaco	New Mexico St. "C"	1	A	=	25	-	25-411
Texaco	New Mexico St. "C"	2	H	=	25	-	25-421
Texaco	New Mexico St. "C"	3	G	=	25	-	25-321
Texaco	New Mexico St. "C"	4	B	=	25	-	25-311
Tex. Pac.	State "G"	1	P	=	24	-	24-441
Tex. Pac.	State "G"	2	I	=	24	-	24-431
Tex. Pac.	State "G"	3	J	=	24	-	24-331
Tex. Pac.	State "G"	4	O	=	24	-	24-341
Tex. Pac.	State "V"	1	I	=	14	-	14-431
Tex. Pac.	State "V"	2	J	=	14	-	14-331
Tex. Pac.	State "V"	3	C	=	23	-	23-211
Tex. Pac.	State "V"	4	F	=	23	-	23-221
Tex. Pac.	State "V"	5	K	=	23	-	23-231
Tex. Pac.	State "V"	6	N	=	23	-	23-241
Wiser	Morris "A"	1	O	=	21	-	21-341

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Wiser	Morris "B"	1	P	=	21	-	21-441
Wiser	State "L"	1	B	=	26	-	26-311
Yates	Shell - State	1	P	=	23	-	23-441
Yates	Shell - State	2	J	=	23	-	23-331
Yates	Shell - State	3	O	=	23	-	23-341
Estes (Yeager)	State	1	P	=	14	-	14-441

EXHIBIT 25

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5563 Exhibit No. 25
Submitted by Shell
Hearing Date 10-3-79

PROPOSED WELL NO. 18-141

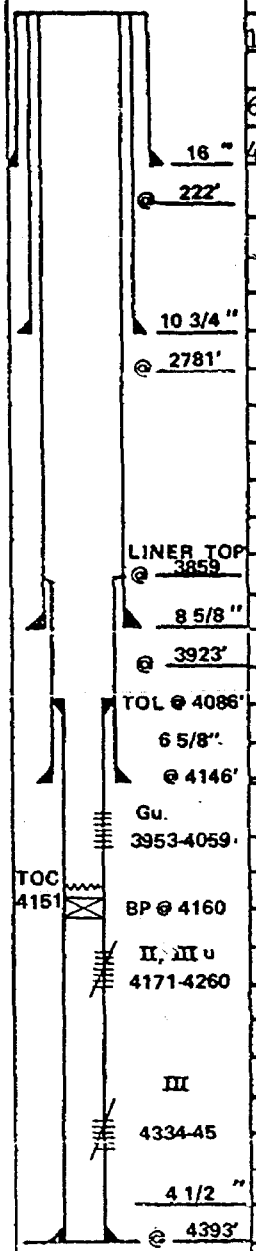
COMPLETION DATE 6-16-32 — AMERADA HARDIN NO. 1 — COMPLETION INTERNAL: 3953-4059(G)

RECOMPLETION DATE Deep. 9/40, 1/69 TA 1/76 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330 FWL — SECTION 18M — BLOCK

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

DATUM 3673 [DF] G.L. ELEV. — TD 4395' — PBTD 4151'



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
16"	70#	222	250	Circ.*	18-1/2"*
10 3/4"	45#	2781	450	1656 *	13-1/2"*
8 5/8"	32#	3923	275	2133 *	10" **
6 5/8" liner		3859/4146	50	3859 *	8-1/4"**
4½" liner		4086/4393	100	4086 *	6-1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3946	-273
GL	4044	-371
I	4059	-386
II	4140	-467
IIIu	4205	-532
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/32		*3925-4158	OH
9/40		*4146-4219	OH
1/69	III	*4334-38, 4343-45	2 JPF
1/69	II, IIIu	*4171-74, 4210-12, 4230-40, 4254-60	2 JPF
1/75	Gu	3953-65, 3995-4000, 4006-22, 4032-59	2 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/69	4334-45	Sqz'd. w/50 SX cmt.
1/75	4171/4260	BP @ 4160' w/1 SK. cmt. to 4151'.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/40		500 gal.	AT		257BO
5/68		500 gal. SAF+2500gal	15% NEA		
1/69	4334-45	500 gal. 15% NEA	AT		-
1/69	4171/4260	1000 gal. 15% NEA	AT		
1/75	Gu	3000 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 6 5/8" liner, run 9-40, 4 1/2" liner, run 1/69

9-53: Ran BHP & Temp. surveys - no csg. leaks.

DATE 8/18/78 KLL

PROPOSED WELL NO. 36-411

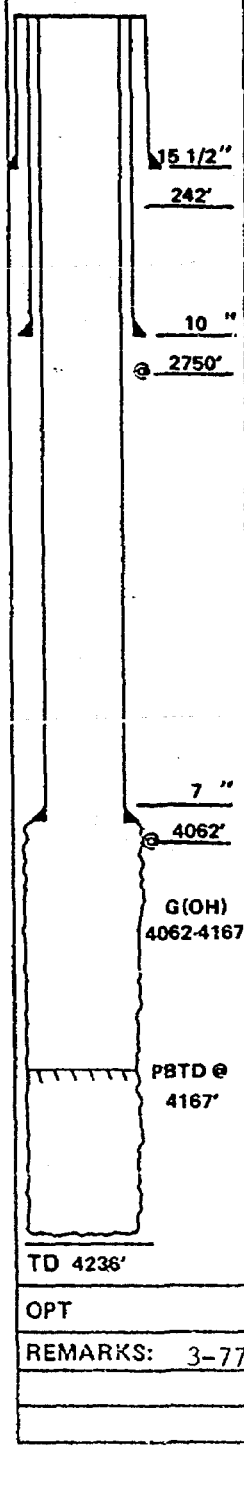
COMPLETION DATE 1/28/31 — AMERADA STATE C NO. 1 — COMPLETION INTERNAL: 4062-4167(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330 FEL SECTION 36 A BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3658' DF ( ) G.L. ELEV. ____ TD 4236' PBTD 4167' ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	242	400	Circ.*	18"**
10"	45#	2750	500	1418*	12 3/4"**
7"	24#	4062	500	1038*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4053	-395
GL	4178	-520
I	4217	-559
GOC		
CWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/31	G	4062-4167	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
4/54	4062/4236	Sqz'd w/100 SX; drld. out to 4167'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/54	G	2500 gal. 15% acid; 6000 X 6000 frac			
4/67	G	1000 gal. 15% NEA	AT		
3/68	G	500 gal. toluene + 500 gal. 15% reg.	AT		
5/68	G	6000 gal. 15% XFW	AT		
3/77	G	1000 gal. xylene, 7500 gal. 20%	NEA		33BO 99BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 3-77: Attempted to recover fish from OH--no results

DATE 8/18/78 KLL

PROPOSED WELL NO. 36-321

COMPLETION DATE 11/2/56
RECOMPLETION DATE 10/74 (TA)

AMERADA STATE C NO. 3
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: _____

LOCATION 1650' FNL & 1650' FEL SECTION 36 G BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3663' [DF] G.L. ELEV. _____ TD 4293' PBTD 4280' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	374	350	Surf.	12 1/4
5 1/2"	15.5#	4286	400	2825'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

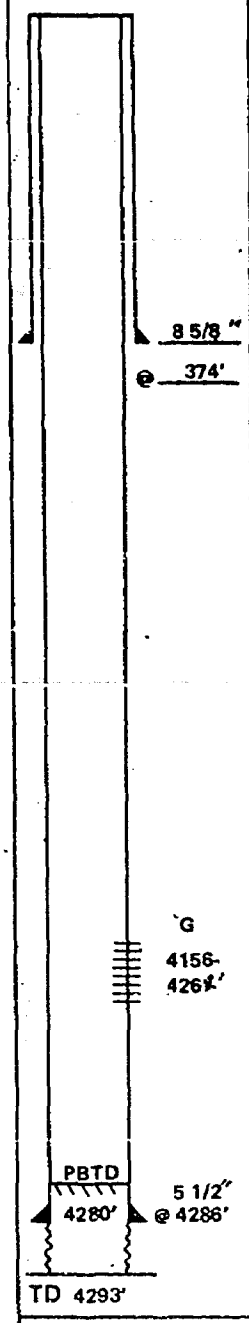
ZONE	TOP	SUBSEA
Anhy	1635	
T. Salt	1738	
B. Salt	2697	
Yates	2844	
7 Riv	3077	
Queen	3660	
Gu	4167	-504
GL	4274	-611
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/56	G	4156-4224, 4240-48, 4253-62	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/56	G	1000 gal. 15%; 20,000	X 11,000 frac		6480 17BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78KLL

PROPOSED WELL NO. 24-121

COMPLETION DATE 1/35 — AMERADA STATE E NO. 1 — COMPLETION INTERNAL: 4094-4115(G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FWL SECTION 24E BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3682' [DF] G.L. ELEV. TD 4319' PBTD 4128' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	228	250	Circ.*	16"**
9 5/8'	36#	2821	450	1170*	11 3/4"**
7"	24#	4053	300	2239*	8 3/4"**
5 1/2" liner	14#	4012/4249	-		6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4010	-328
GL	4103	-421
I	4115	-433
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

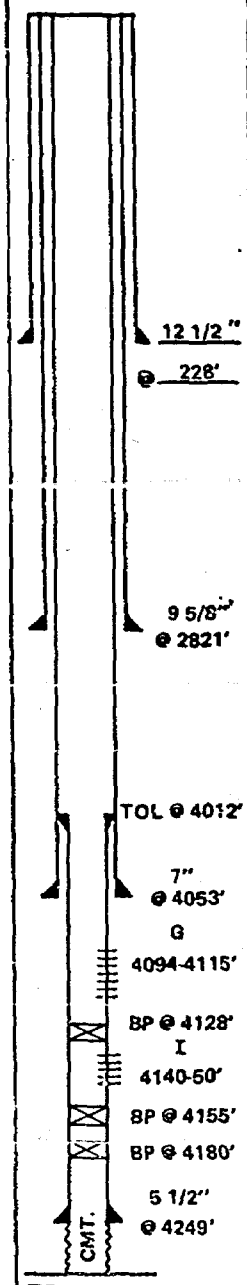
DATE	ZONE	DEPTHS	DENS & SIZE
1/35	G,I	4053-4240	OH
10/41	I	4212-34	3 SPF
10/41	I	4142-4206	42 holes
10/41	I	4140-50 (dense)	30 shots
8/74	G	4094-4115	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
19/41	4206	Set ret. & sqz'd. w/25 SX.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/35		2000 gal.	4053-4240		
10/41		3000 gal.			
8/74		1500 gal.	4094-4115		
3/76		3000 gal. 20%	4094-4115*		
8/75		2000 gal. 15%	4094-4115		



OPT 7292BO, 549 BW, 4260 MCFGD

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: *NMOCD shows 4140-50 also but believe ret. @ 4128'

DATE: 8/18/78 KL

PROPOSED WELL NO. 14-341

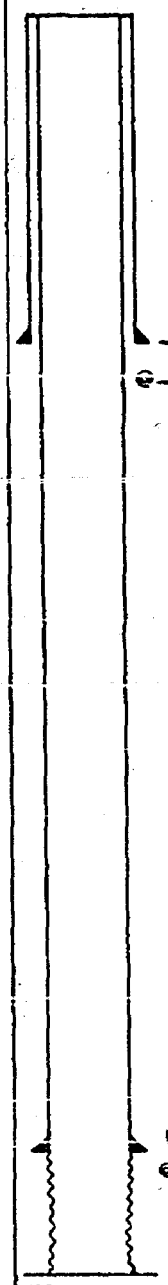
COMPLETION DATE 11/1/57 — AMERADA STATE WHB NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 9/3/74(TA) — HOBBS (G-SA) UNIT

LOCATION 660' FSL & 1650' FEL — SECTION 14 O — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3688' [DF] G.L. ELEV. _____ TD 4176' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	303	250	Surf	12 1/4"
5 1/2"	15.5#	4143	400	2610	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1600	
T. Salt	1699	
B. Salt	2632	
Yates	2778	
7 Riv	3012	
Queen	3575	
Penrose	3715	
Gu	4076	-388
GL	4153	-465
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10-57	G	4143-76	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	500 gal. 15%; 5000, X 5000 frac,			454BO
8/60	G	30,000 gal X 30,000 frac		22BO	71BO
8/74	G	1000 gal. 15% NEA			

OPT 454 BO

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78 KLL

PROPOSED WELL NO. 14-231

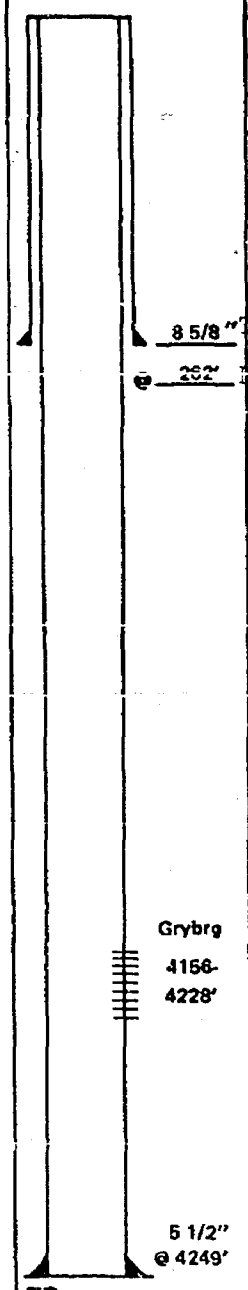
COMPLETION DATE 8/8/58 — AMERADA STATE WHB NO. 2 — COMPLETION INTERNAL: 4156-4228(G)

RECOMPLETION DATE 6/73 (TA) — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2310' FWL SECTION 14K BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3698' [DF] G.L. ELEV. TD 4250' PBTD 4247' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24.32#	262	250	Surf.	12 1/4"
5 1/2"	14#	4249	400	2705	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1643	
T.Salt	1745	
~~Salt~~	~~2694~~	
Yates	2840	
7 Riv	3080	
Gu	4212	-514
GL	4346	-648
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/58	G	4156-84, 4188-4208, 4214-28	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/58	G	1500 gal. 15%; 10,000#	10,000 frac.		67BO 3BW

OPT ~~113 BO~~

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/18/78KLL

PROPOSED WELL NO. 21-331

COMPLETION DATE 10/64 — ANTWEIL HOBBS CT NO. 1 — COMPLETION INTERNAL: 4185-4206' (G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2260' FEL SECTION 21 J BLOCK

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

DATUM 3647' [GL] G.L. ELEV. TD 4225' PBTD 4222' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	20#	430	250	Circ.	11"
4 1/2"	9.5#	4224	485	2288*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

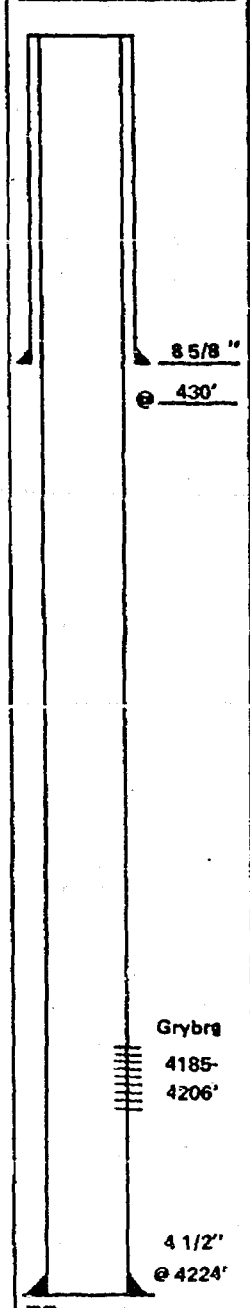
DATE	ZONE	DEPTHS	DENS & SIZE
	G	4185, 4186, 4187, 4191, 92, 4193, 4194, 4195, 4203, 4204, 4205, 4206	12 holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
	G	1500 gal.; 20,000 gal	frac & 17,000# sd.		



OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: Deviation
Cored 4125-4219'

DATE: 8/18/78KLL

WR-31985

PROPOSED WELL NO. 28-221

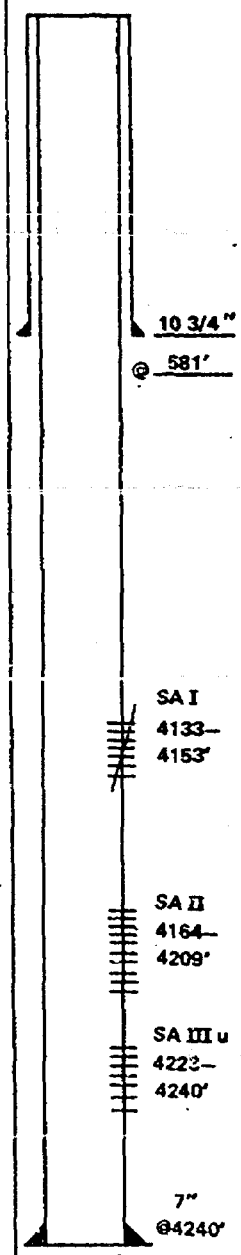
COMPLETION DATE 2-20-59 — ATLANTIC GRIMES SOC NO. 2-A — COMPLETION INTERNAL: 4164-4240(II) (IIIU)

RECOMPLETION DATE 7-1-71 — HOBBS (G-SA) UNIT

LOCATION 1910' FNL & 1650' FWL SECTION 28F BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3646' [GL] G.L. ELEV. TD 4240' PBTD 4238' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	581	600	Circ.	15"
7"	20, 23#	4240	682	*116	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1614	
Yates	2715	
7 Riv	2936	
Queen	3474	
Penrose	3620	
GU	4012	-366
GL	4106	-460
I	4110	-464
II	4160	-514
IIIU	4218	-572
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/59	I	*4133-53	4 SPF
7/71	III	4223-28, 4232-40	
12/74	II	4164,72,76,82,85,93,95,	1 1/2" SPF
		4202,06,09	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/71	4133-53	Sqz'd w/25 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/59	I	500 gal.	AT		218BO,
					0BW
7/71		2000 gal. 15% LSTNE	AT	16BO,	52BO,
				67BW	4BW
12/74	III	2000 gal. 15% LSTNE	AT (4223-40')		35BO,
					1BW
12/74	II	2000 gal. 15% LSTNE	AT (4164-4209')		

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Installed BOP on 12/17/74. Bradenhead leak 9/77, see attached report.

DATE: 8-21-78 KL

PROPOSED WELL NO. 28-111

COMPLETION DATE 7/10/34 — ATLANTIC GRIMES SOC NO. 3 — COMPLETION INTERNAL: 4109-4121'(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

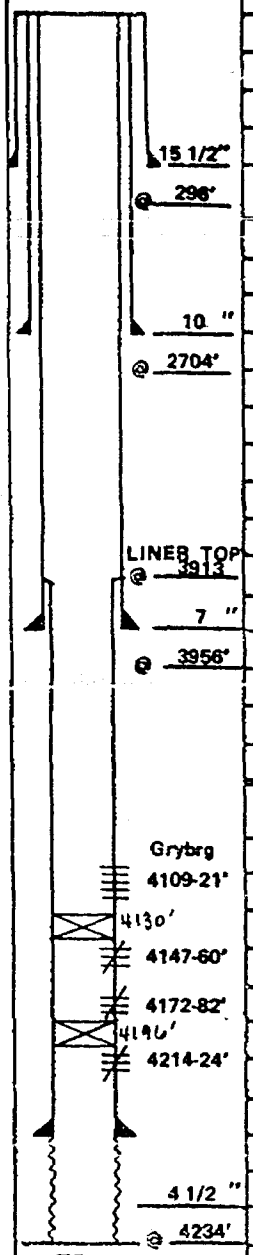
LOCATION 990' FNL & 330' FWL SECTION 28D BLOCK _____

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

DATUM 3646' (GL) G.L. ELEV. _____ TD 4280' PBTD 4130' ( )

Deepened 9-22-35, 8-27-61

7-9-67



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15½"	70#	296	200	Circ.*	18"**
10"	45#	2704	150	2304*	12 3/4"**
7"	26#	3956	250	2244*	8 3/4"**
4½" lnr	11.6#	3913/4234	50	393*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4024	-378
GL	4120	-474
I	4125	-479
II	4189	-543
IIIu	4254	-608
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	OENS & SIZE
7/34		*3956-4225	OH
8/61	II	*4214-24	
2/65	I	*4172-82	
8/67	I	*4147, 4151, 4154, 57, 60	
9/67	G	4109, 11, 14, 17, 19, 21	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
2/65	4214-24	Retainer @ 4196' w/105 SX cmt.
6/67	4172-82	Sqz'd. w/100 SX cmt.
8/67	4234-80	(OH) - 100 SX cmt. to 4166'
9/67	4147-60	Retainer @ 4130' w/150 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
7/34		1000 gal.			
9/35		5000 gal.			
9/35		7000 gal.			
8/61		250 gal. (4214-24')		23BO 0BW	64BO 8BW
2/65	G	250 gal.			32BO 40BFW
7/67		500 gal. 15% NEA (4234-80')			2BO 106BFW
7/67		250 gal. 15% NEA (4254-80')	ISIP 150#		
7/67		500 gal. 15% NEA (4242-80')	ISIP 1700#		
8/67	I	250 gal. BDA			
9/67	G	500 gal. BDA	ISIP 1400#		
9/67	G	1500 gal. 15% LST	ISIP 750#		35BO 99BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78 KLL

PROPOSED WELL NO. 23-121

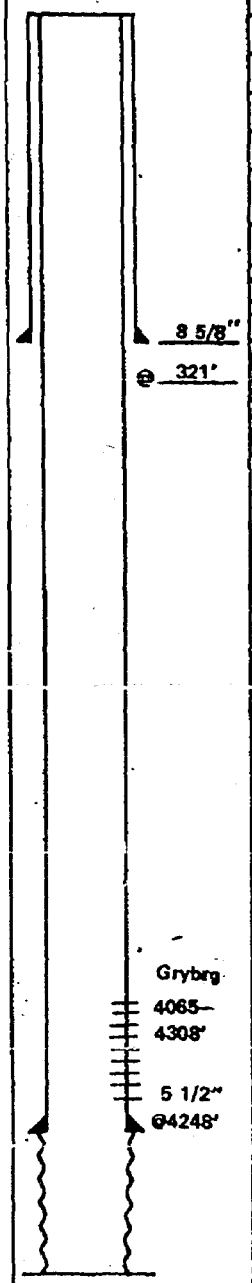
COMPLETION DATE 12-16-59 — C&C SHIPP A NO. 1 — COMPLETION INTERNAL: 4065-4308(G)

RECOMPLETION DATE Deepened 1-25-70 — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FWL SECTION 23E BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3691' (DF) G.L. ELEV. TO 4308' PBTD 4248' ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	321	175	Circ.	11 1/4"
5 1/2"	14#	4248	425	2710	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2882	
7 Riv	3235	
Bowers	3460	
Queen	3715	
Penrose	3858	
GU	4176	-485
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	OENS & SIZE
10/59	G	4065-4128, 4168-4230	
1/70	G	4248-4308	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/59	G	500 gal. AT; 10x10 frac			
		(4168-4230)			
		500 gal. AT; 10x10 frac			
		(4065-4128)			14BO
1/70	G	250 gal. AT	(OH)		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PROPOSED WELL NO. 17-131

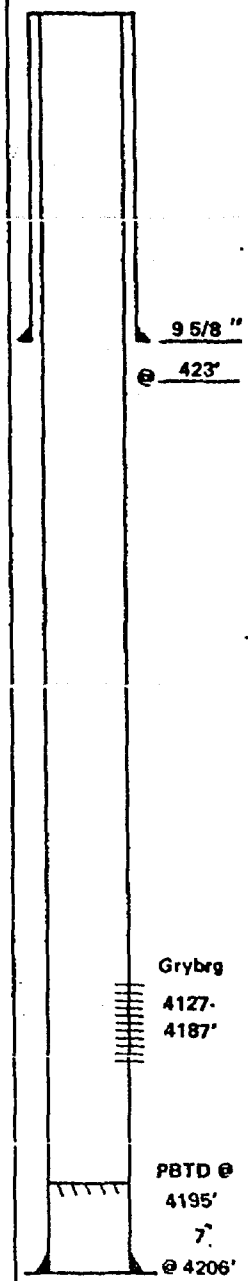
COMPLETION DATE 6-12-57 — CHEVRON STATE 17 NO. 1 — COMPLETION INTERNAL: 4127-87'(G)

RECOMPLETION DATE TA 6-73 — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 330' FWL SECTION 17L BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3668' [DF] G.L. ELEV. TD 4207' PBTD 4195' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	32, 36#	423	240	*Circ.	12 1/4"
7"	23#	4206	925	Circ.*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1650	
T Salt	1740	
B Salt	2750	
Yates	2794	
7 Riv	3025	
Queen	3600	
Penrose	3756	
GU	4105	-437
GL	4197	-529
I	4208	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/57	G	4127-44, 4152-58	4 JPF
7/62	G	4166, 4174, 4187	Sandjetted

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
7/57	G	500 gal. MA; 15 X 22.5	FRAC		
7/62	G	15 X 22.5	FRAC		
				9BO	50BO,
					15BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-28-78 KL

PROPOSED WELL NO. 31-311

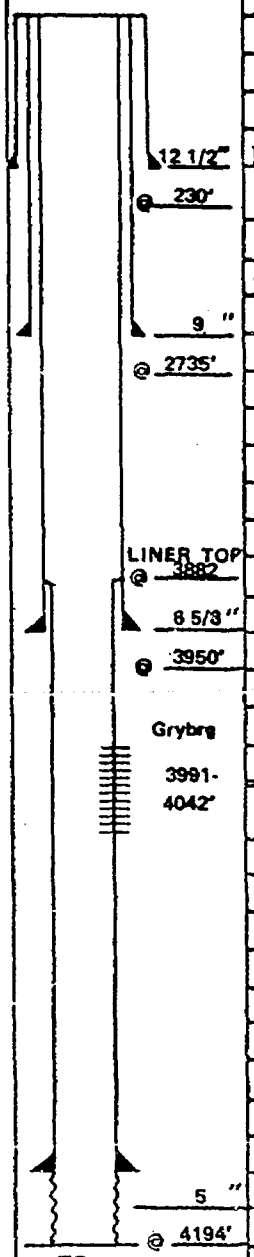
COMPLETION DATE 9/13/30 — **CITIES SERVICE FOWLER NO. 2** — COMPLETION INTERNAL: 3991-4042'(G)

RECOMPLETION DATE TA 3-75 — **HOBBS (G-SA) UNIT**

LOCATION 440' FNL & 2310' FEL SECTION 31B BLOCK

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

DATUM 3649' [GL] G.L. ELEV. TD 4201' PBTD 4192' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	230	200	Circ.*	16"**
9"	36#	2735	500	1275*	11 3/4" **
6 5/8"	24#	3951	250	2227*	8 1/4" **
5"lnr	18#	3882/4194	35	3882*	6 1/4" **
Hydril	FJ				

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3924	-275
GL	4072	-423
I	4078	-429
II	4141	-492
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G	*3950-4201	OH
11/69	G	*3991, 3996, 4000, 37, 42	1 SPF
		4064, 4067	
11/69	G	3991, 3996, 4000, 37, 42	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/69	3991/4067	Sqz'd. w/50 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/70	G	3000 gal.	AT-3 stages		136 BW
8/70	G	3500 gal.	AT-3 stages		45BO 207BW

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 9-1-53: 9" X 6 5/8" SIP 1000 psi. 32/64" ck. swab gas 3½ hrs. Last 2 hrs. stab. @ 97.8 MCF/D. Temp survey indicated gas coming from Yates.

DATE 8/18/78KLL

PROPOSED WELL NO. 19-111

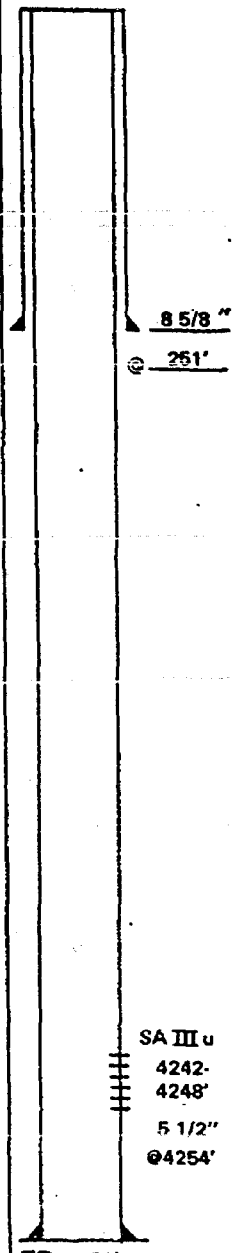
COMPLETION DATE 5-12-52 — CITIES SERVICE HARDIN NO.5 — COMPLETION INTERNAL: 4242-4248(IIIU)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 990' FWL SECTION 19D BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3671' [DF] G.L. ELEV. _____ TD 4255' PBTD 4253' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	251	200	Circ.	11"
5 1/2"	14 #	4254	1500	1108'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1490	
Salt	1585	
Br Li	2800	
GU	3923	-252
GL	4016	-345
I	4016	-345
II	4097	-426
IIIU	4164	-493
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/52	IIIU	4242-48'	6 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/52	IIIU	250 gal.	AT		272 BO
6/75	IIIU	2000 gal. 15% HCl	AT		

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: For csg. leak repair 5/75, see attached sheet.

DATE: 8-21-78 KLL

PROPOSED WELL NO. 28-431

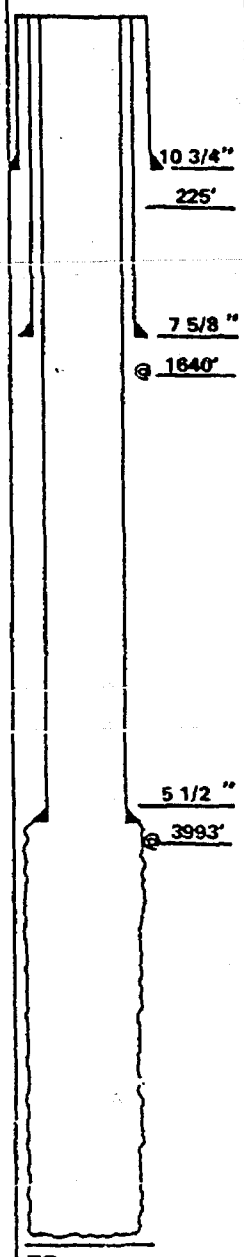
COMPLETION DATE 9/6/35 — CONTINENTAL GRIMES NO. 4 — COMPLETION INTERNAL: 3993-4084(G) 4084-4225(SA)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 990' FEL & 1650' FSL SECTION 28I BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3648' [GL] G.L. ELEV. TD 4225' PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	225	150	Circ.*	13½"**
7 5/8"	26.4#	1640	400	Circ.*	9 5/8"**
5 1/2"	17 #	3993	400	1894*	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2730	
Buff	2850	
Hobbs	3600	
White	4085	
Is		
GU	3998	-350
GL	4083	-435
I	4088	-440
II	4157	-509
IIIU	4218	-570
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	3993-4084	OH
	I	4084-4156	OH
	II	4156-4213	OH
	IIIU	4213-4225	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
		3000 gal. Dowell xx			162 BO
		4000 gal.			173 BO
		5000 gal.			5437BO/D

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 9-9-53: With TP @ 190 psi, 5 1/2" CP 1000 psi, 7 5/8" CP 200 psi, bradenhead was opened. Salt water flowed thru 7 5/8" csg. 5 min. & died. All pressure bled off 7 5/8" csg. & 5 1/2" CP remained @ 1000 psi.

DATE: 8-21-78 KLL

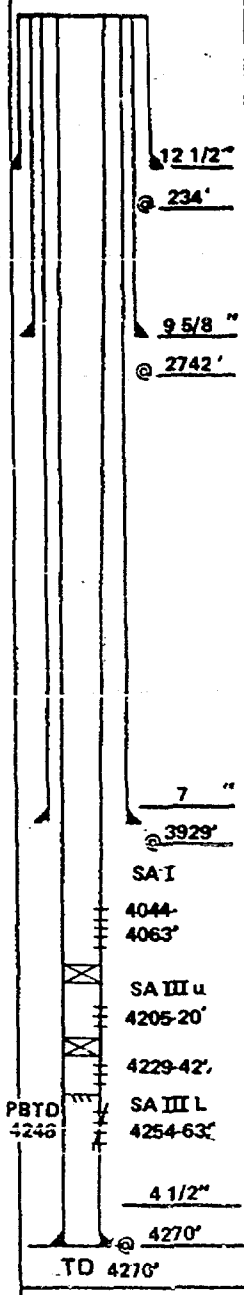
well now producing

COMPLETION DATE 9-28-30
RECOMPLETION DATE 1-76 (TA)

PROPOSED WELL NO. 29-331
CONTINENTAL STATE A-29 NO.1
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: 4044-4063(I)
4205-4242(III U

LOCATION 1650' FSL & 1650' FEL SECTION 29J BLOCK
SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico
DATUM 3655' [DF] G.L. ELEV. TD 4270' PBTD 4248' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50	234	170	Circ.*	16"**
9 5/8"	40	2742	500	907*	11 3/4"**
7"	24	3929	300	2115*	8 3/4"**
4 1/2"	10.5	4270	750	*Circ.	6 1/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1530	
T Brn	2769	
T Salt	1670	
B Salt	2490	
BuffIs	2769	
Ector	3770	
GU	3902	-247
GL	3998	-343
I	4010	-355
II	4079	-424
IIIU	4149	-494
IIIL	4251	-596
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/75	IIIL	*4254-63	2 SPF
7/75	IIIU	4205-20, 4229-42	2 SPF
7/75	I	4044-52, 4058-63	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/75	4254-63	Sqz'd w/100 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/35		1000 gal.	AT		
8/35		2000 gal. (4121-78')	AT		
7/75		1250 gal. 28% (4254-63)	AT		
7/75		2000 gal. 28% (4205-42)	AT		
7/75		1000 gal. 28% (4044-63)	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Found holes in 7" csg. @ 250', 1230', 1424', 1468' & 1563'

DATE: 8-22-78 KL

PROPOSED WELL NO. 13-141

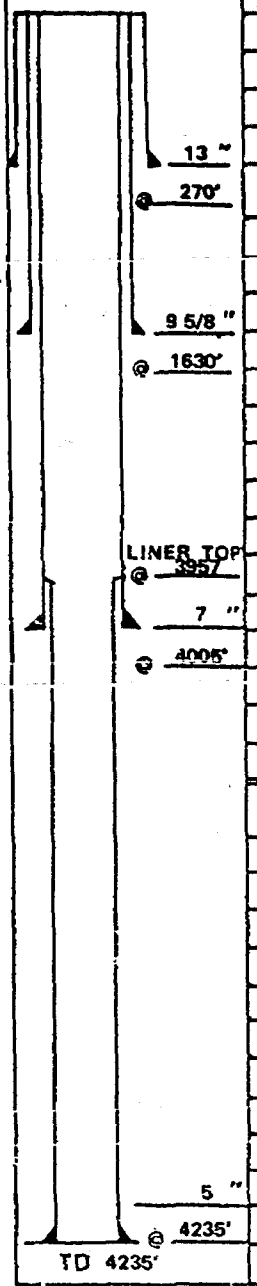
COMPLETION DATE 9/20/35 — **CONTINENTAL STATE B-13 NO. 2** — COMPLETION INTERNAL: 4002-4040

RECOMPLETION DATE 1-51 (TA) — **HOBBS (G-SA) UNIT**

LOCATION 660' FSL & 660' FWL SECTION 13M BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3684' [DF] G.L. ELEV. TD 4235' PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	270	200	Circ.*	16"**
9 5/8"	36#	1630	400	469*	12 1/4"**
7"	24#	4005	400	1586*	8 3/4"**
5"lnr.		3957/4235	75	3957*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3938	-254
GL	4049	-365
I	4087	-403
II	4174	-490
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT 6392 BOPD w/10 mm ft^3 gas

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Poss. GL

(See Attached)

DATE: 8/18/78KLL

PROPOSED WELL NO. 13-221

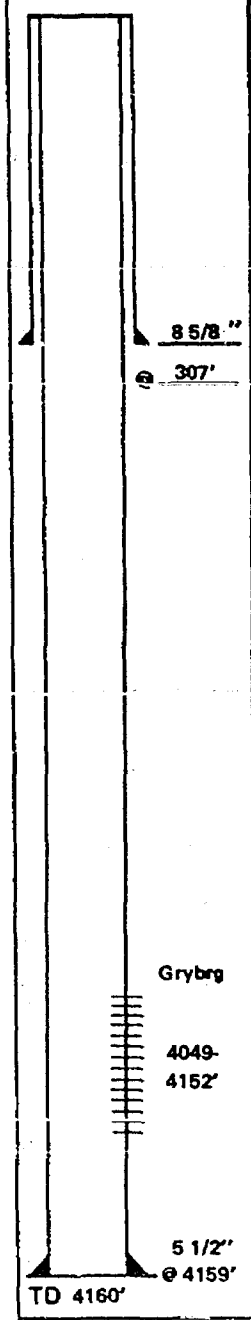
COMPLETION DATE 4/1/57 — CONTINENTAL STATE B-13 NO. 4 — COMPLETION INTERNAL: 40494152(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1980' FNL' & 1980' FWL SECTION 13 F BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' [DF] G.L. ELEV. _____ TD 4160' PBTD 4156' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	307	300	Circ.	11"**
5 1/2"	14#	4159	1700	1750	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1555	
T.Salt	1655	
B.Salt	2610	
Yates	2758	
7 Riv	3018	
Queen	3552	
Gu	4049	-361
GL	4152	-464
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/57	G	4049-64	60 shots
		4070-74	16 shots
		4076-82	24 shots
		4100-10	40 shots
		4114-18	16 shots
		4122-24	8 shots
		4140-52 SQUEEZE & REPAIR	32 shots

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
	4140-52	3000 gal. AT			
	4100-22	6000 ga. frac + 6000# sd			
	4049-82	6000 gal. frac + 6000# sd			170BO

OPT 170BO

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: S/I 8/20/74 due to uneconomical reasons.
Future plans: hold for secondary recovery

DATE 8/18/78KLL

PROPOSED WELL NO. 29-111

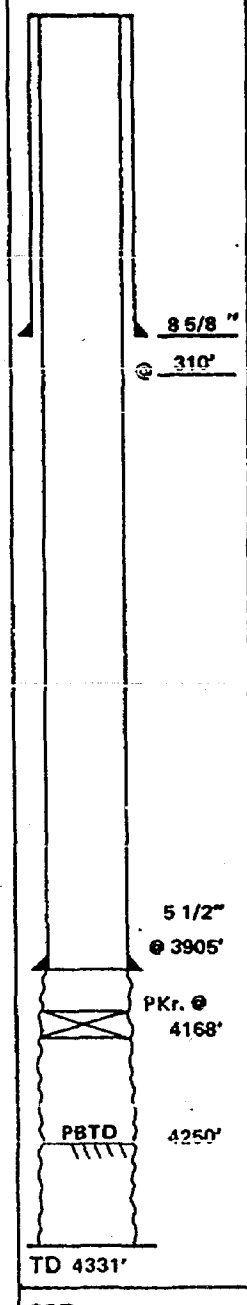
COMPLETION DATE 12-1-71 — EXXON BOWERS A FED. COM. NO. 35 — COMPLETION INTERNAL: 4168-4250'

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330 FWL SECTION 29D BLOCK _____

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

DATUM 3662' [DF | G.L. ELEV. _____ TD 4331' PBTD 4250' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	310	150	Circ.	11"
5 1/2"	14#	3905	300	*2331*	7 7/8"
13 3/4"	21' of conductor w/2 yds. heavy wt				

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3988	-310
GL	4092	-430
I	4110	-448
II	4168	-506
IIIu	4240	-578
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-71	II	4168-4239	OH
"	IIIu	4239-4250	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

COMPLETION DATE 10-16-30 — PROPOSED WELL NO. 29-411 — COMPLETION INTERNAL: 4102-4127 G, 4154-4158 I, 4200-4214 II

RECOMPLETION DATE —

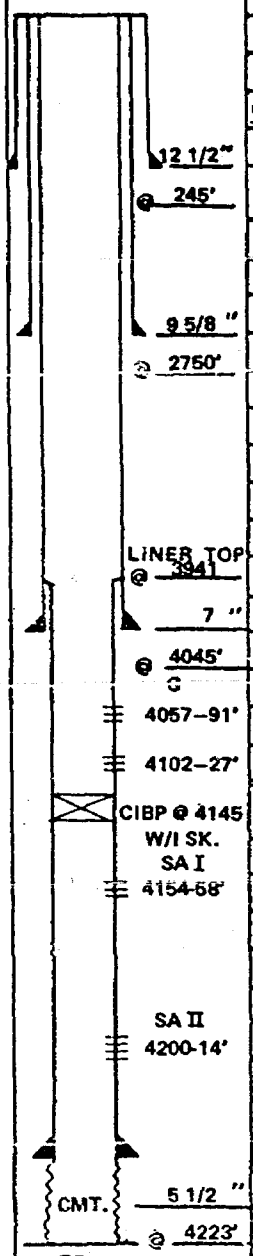
EXXON GRIMES NO. 1

HOBBS (G-SA) UNIT

LOCATION 990' FNL & 990' FEL SECTION 29A BLOCK —

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3647' [GL] G.L. ELEV. — TD 4250' PBTD 4145' [CIBP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	245	250	Circ.	16"**
9 5/8"	36#	2750	650	365*	11 3/4"**
7"	26#	4045	300	2231*	8 3/4"**
5½" lnr.		3941/			
		4223	30	3941*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4013	-366
GL	4118	-471
I	4127	-480
II	4186	-539
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/57	G	4102-27	
5/72	I	4154-58	1 SPF
9/62	II	4200-14	2 SPF
		*4223-50 (OH)	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
9/62	4223-50	Sqz'd w/50 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/34		1000 gal. AT	4045-50' (OH)		
10/42		1000 gal. AT	4223-50' (OH)		
6/47		2000 gal. AT	4223-50' (OH)		
11/57		2500 gal. AT	4102-27'		
9/62		1000 gal. AT	4200-14'		
11/77		2000 gal. AT	4057-91'		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Tested 9 5/8" - 7" annulus 9/16/53 100# bled down <1 min.

Bleeder line from bradenhead to surf. 12/57.

DATE: 8-22-78 KLJ

PROPOSED WELL NO. 25-431

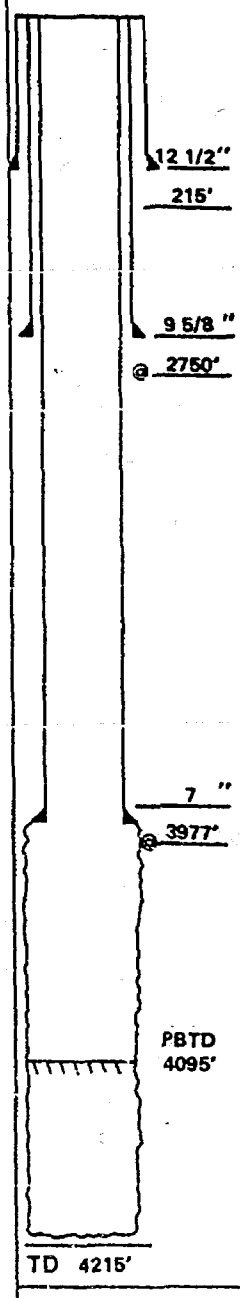
COMPLETION DATE 10/21/30 — EXXON N. M. STATE NO. 1 — COMPLETION INTERNAL: 3977-4095

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 330' FEL & 2310' FSL SECTION 25I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3649' [GL] G.L. ELEV. _____ TD 4215' PBTD 4095 [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	215	260	Circ.*	16"**
9 5/8'	36#	2750	650	365	11 3/4'**
7"	26#	3977	300	2163*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
		RA	

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1490	
T.Salt	1670	
B.Salt	2649	
Gu	3959	-310
GL	4047	-398
I	4077	-428
II	4167	-518
IIIu	4241	-592
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/30	G	3977-4095	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/72		4500 gal. 20%	Tbg-csg. annulus		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Has had annulus pressure flow

(See Attached)

DATE 8/18/78 KLL

COMPLETION DATE 12/5/53 — PROPOSED WELL NO. 25-341 — COMPLETION INTERNAL: 4095-4210(G)

RECOMPLETION DATE ____ — EXXON N.M. STATE NO. 5 — HOBBS (G-SA) UNIT

LOCATION 660' FSL & 1650' FEL — SECTION 25 0 — BLOCK ____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3667' [GL] G.L. ELEV. 3656' — TD 4220' — PBTD 4220 [ ]

*CALCULATED **ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	29, 32# used	1639	900	Circ.	11"
5 1/2"	15.5#	4220	1100	1620	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Bowers	3339	
Queen	3742	
Gu	4088	-421
GL	4192	-525
I	4212	-545
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

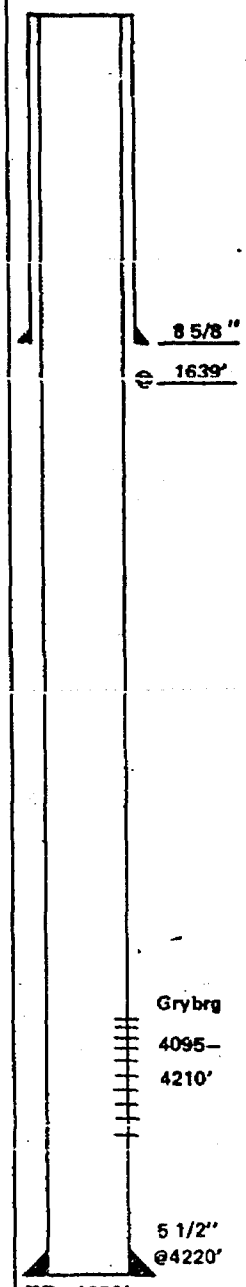
DATE	ZONE	DEPTHS	DENS & SIZE
11/53	G	4095-4150	4 JPF
11/53	G	4170-4210	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/53	G	5000 gal (4170-4210)			
11/53	G	4000 gal. (4170-4220)			
8/59	G	5300 gal. frac + 13,000# sd.		21BO	36 BO
8/64	G	15000 gal. frac + 26,400# sd.		24BO 3BW	41BO 42BW
7/71	G	AT - unknown volume			



OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78 KLL

PROPOSED WELL NO. 25-231

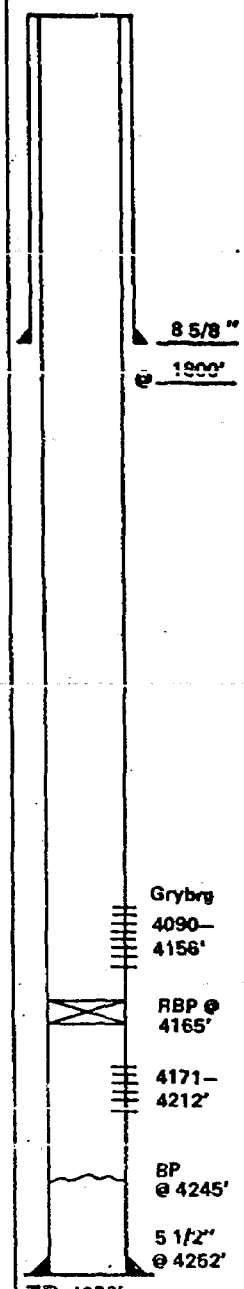
COMPLETION DATE 3-1-55 — EXXON N.M. STATE NO. 6 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 2310' FWL SECTION 25 K BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3670' (DF) G.L. ELEV. _____ TD 4253' PBTD 4245' ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	1800	1000	Circ.	11"
5 1/2"	14#	4252	1250	Circ.	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1625	
Yates	2814	
Queen	3778	
Gu	4114	-444
GL	4207	-537
I	4222	-552
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/55	G	4090-4156	4 JPF
2/55	G	4171-4212	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/55	G	7000 gal	AT-2 stages		140BO
1/60		5 X 7.5 frac (4090-4156 above RBP)			
9/69		36 X 46 frac (4090-4156?)			

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Line to surf. from bradenhead 12-57.

DATE 8/18/78 KLL

PROPOSED WELL NO. 31-211

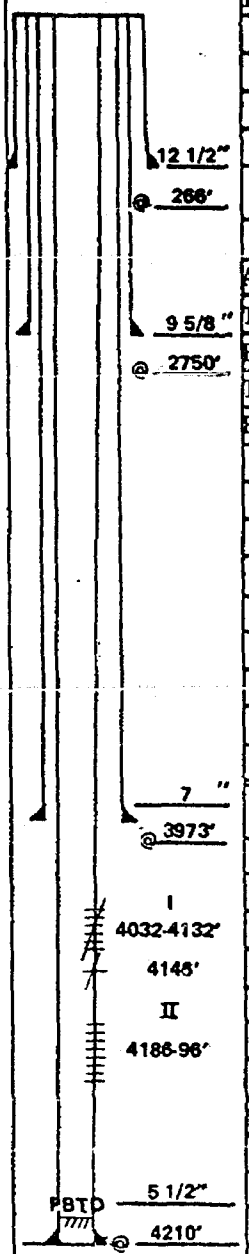
COMPLETION DATE 9-14-30 — GETTY FOWLER NO. 1 — COMPLETION INTERNAL: 4186-4196(II

RECOMPLETION DATE 10-18-71 — HOBBS (G-SA) UNIT

LOCATION 440' FNL & 2310' FWL — SECTION 31C — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3651' [DF] G.L. ELEV. — TD 4215' — PBTD 4200' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	266	185	Circ.*	16" **
9 5/8"	36#	2750	400	1282*	11 3/4"**
7"	24#	3973	450	1252*	8 3/4"**
5"		4210	100	3025*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1460	
T Salt	1610	
B Salt	2532	
T Brn	2800	
Ector	3782	
GU	3958	-307
GL	4108	-457
I	4115	-464
II	4167	-516
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G,I,II	*3973-4215	OH
6/54	I	*4146	3 Holes
7/54	I	*4032-4132	
8/76	II	4186-96	6 Holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/54	4146	Sqz'd w/100 sx cmt. @ 6200#
6/74	4032/4196	Sqz'd w/115 sx Visqueeze Mark II
8/76	4106-96	Sqz'd w/80 sx Visqueeze Mark II

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/71	II	500 gal.	AT		112BO,
					74BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: High water prod.; prod. Zn± comm.

DATE: 9-12-78 KLL

PROPOSED WELL NO. 19-311

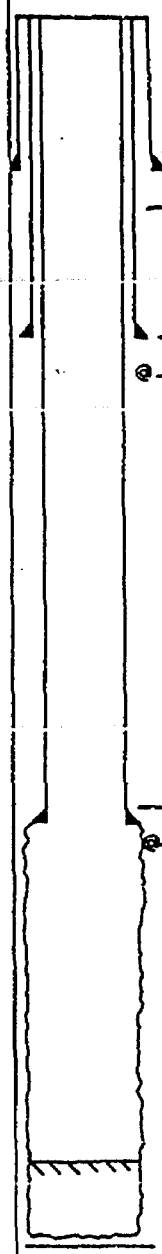
COMPLETION DATE 11-10-30 — GETTY HARDIN NO. 3 — COMPLETION INTERNAL: 3952-4086(G), 4086-4097(SA)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1309' FNL & 2310' FEL SECTION 19B BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3667' [GL] G.L. ELEV. TD 4222' PBTD 4097 [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	217	200	Circ.*	16"**
9 5/8"	36#	2750	600	548*	11 3/4"**
7"	24#	3952	300	2138*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
CU	3984	-317
GL	4080	-413
I	4086	-419
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	3952-4086	OH
	I	4086-4097	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/42	4127-29	Formation Packer

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/72		13x22.5 frac.	ISIP 2000#		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Welded bradenhead between surf. and intermediate. Installed bleeder line to surf. 11/18/57. Repaired csg leak 2/12/43 per attached.

DATE 8-21-78 KL

PROPOSED WELL NO. 19-411

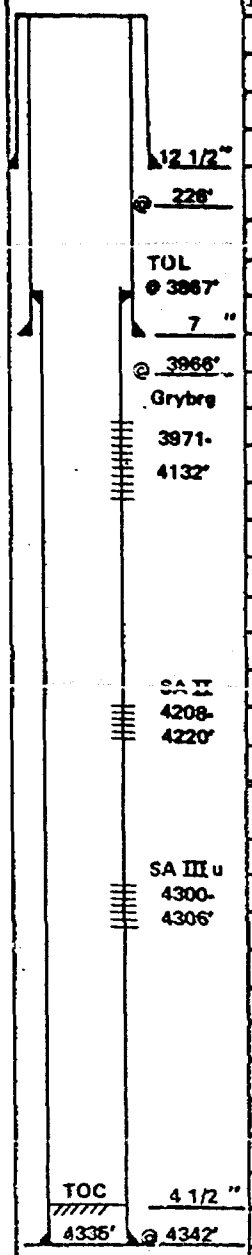
COMPLETION DATE 2-16-33 — GETTY HARDIN NO. 4 — COMPLETION INTERNAL: 3971-4108(G), 4128-4132(I), 4208-4248(II), 4300-4306(IIIU)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1300' FNL & 1300' FEL SECTION 19A BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3662' [DF] G.L. ELEV. TD 4342' PBTD 4335' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	226	200	*Circ.	18 1/4"*
7"	36#	3966	700	*Circ.	8 3/4"**
4½" lnr.		3867/ 4342	100	*3867	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
		G-N	

LOG TOPS

ZONE	TOP	SUBSEA
GU	4013	-350
GL	4112	-449
I	4120	-457
II	4192	-529
IIIU	4254	-591
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/33	G,I,II	*3966-4231'	OH
12/61	II,IIIU	4235-48'	
8/70	G,I	3971,87, 4009,38,46,50,	1 SPF
		66,89, 4100,08,28,32	
10/71	II	4208-4220	
1/65	IIIU	4300-06	1 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/70	G, I	1250 gal.	AT		
10/71	II	1000gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8-22-78 KLS

PROPOSED WELL NO. 26-411

COMPLETION DATE 10/1/56 — GETTY **HOBBS E NO. 1** — COMPLETION INTERNAL: 4163-4199(G) 4214-4276(SA)

RECOMPLETION DATE 8/6/69(Deep.) — **HOBBS (G-SA) UNIT**

LOCATION 330' FNL & 330' FEL SECTION 26A BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3679' [DF] G.L. ELEV. TD 4276' PBTD [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	393	200	Circ.	11"
5 1/2"	14#	4256	400	2157*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

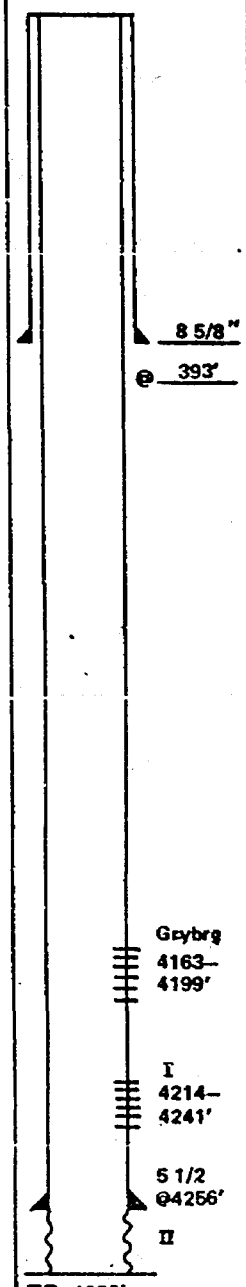
ZONE	TOP	SUBSEA
Anhy	1650	
T.Salt	1752	
B.Salt	2713	
Yates	2853	
7 Riv.	3190	
Queen	3644	
Gu	4144	-465
GL	4239	-560
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/56	G	4163-4199	132 holes
10/56	I	4214-4241	
10/56	II	4256-4276	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/56	G,I	500 gal. AT; 15,500	frac		84BO
8/69	II	750 gal. 15% NEA	AT - 2 stages		46BO 1BW
12/71	G,I,II	750 gal. 15% paragon	AT		7BO 2BW
5/73	G,I,II	1000 gal. 15% NEA; 25,888X22,200	frac		11BO 6BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: DST #1 (4130-4256)-Open 3 hrs., gas to surf. in 15 min.; rec 140' brackish heavy gas-cut drlg. wtr., 430' HO & GCM est. 50% oil & 230' free oil HP in 2480# out 2455#, IFP 135#, FFP 383#, 30 min bldup 1140#.

DATE 8/21/78KLL

PROPOSED WELL NO. 14-321

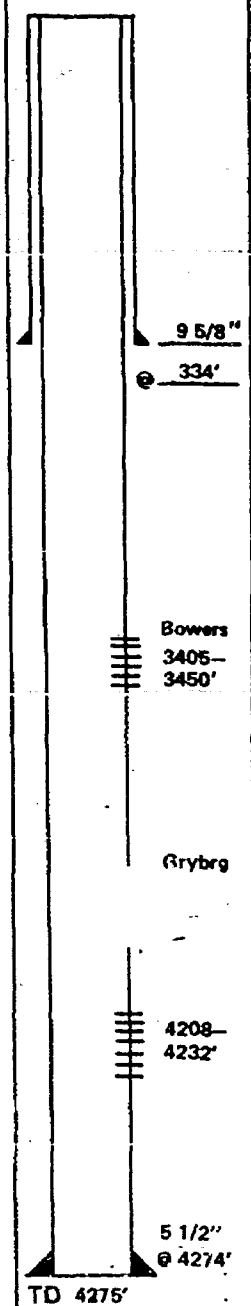
COMPLETION DATE 12-10-59 — GETTY STATE B NO. 2 — COMPLETION INTERNAL: 4208-4232(G) 3405-3450 (BOWERS)

RECOMPLETION DATE 9-17-74 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 1650' FEL SECTION 14G BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3698' [DF] G.L. ELEV. TD 4275' PBTD 4270' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	25.4#	334	325	Circ.	11"
5 1/2"	15.5#	4274	600	2595	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1613	
Yates	2826	
Tansil	2673	
Bowers	3094	
Queen	3641	
Penrose	3794	
GU	4203	-505
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/59	G	4208-18, 4226-32	2 SPF
9/74	Bowers	3405,07,10,41,45,50	1 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/59	G	1000 gal. AT; 10x10 frac			37BO,
					17BW
11/74	G	1750 gal. 15% AT;			
		17x21.5 frac.			
11/74	Bowers	840 gal. 15% NEA; 10x20			
		frac			9BO,2BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Request for downhole commingling approved 10/22/74.

DATE: 8-21-78 KL

PROPOSED WELL NO. 33-411

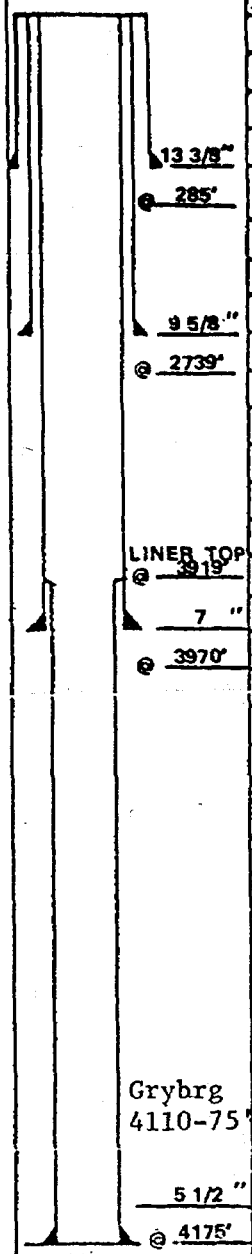
COMPLETION DATE 11-16-34 — GULF GRIMES B NO. 4 — COMPLETION INTERNAL: 4110-4175 (II (IIIU)

RECOMPLETION DATE 5-56 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 660' FEL SECTION 33A BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3642' [GL] G.L. ELEV. TD 4175' PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	54.5#	285	200	Circ.*	17"**
9 5/8"	36#	2739	350	1723*	12 1/4"**
7"	24#	3970	150	3063*	8 3/4"**
5½" liner	14#FJ	3919/			
		4175	40	3919*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3915	-273
GL	4008	-366
I	4008	-366
II	4064	-422
IIIU	4122	-480
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	II	*4077-4122	OH
	IIIU	*4122-75	OH
5/56	II,IIIU	4110-14,4130-42,4145-75	4 1/2" SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/34	II,IIIU	4000 gal.	AT - 2 Stages		
5/77		1500 gal. 15% NEA	AT		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Suspected csg. leak - could not find it.

DATE: 8-22-78 KL

PROPOSED WELL NO. 18-331

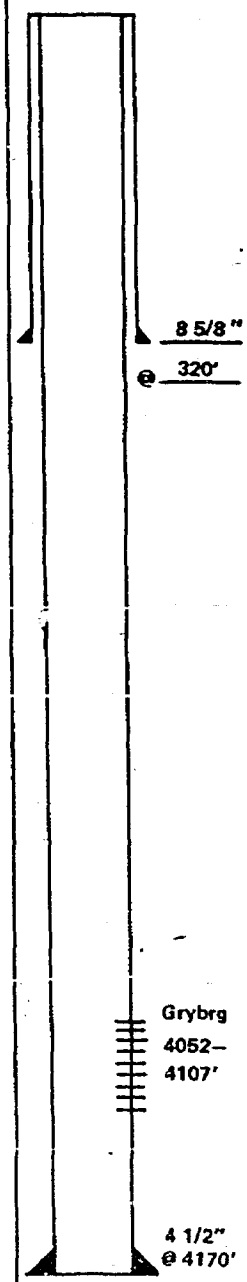
COMPLETION DATE 5-14-59 — GULF HARDIN NO. 5 — COMPLETION INTERNAL: 4052-4107(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1980' FSL & 1980' FEL SECTION 18J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3675' [DF] G.L. ELEV. _____ TD 4170' PBTD 4165' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	320	310	Circ	12 1/4"
4 1/2"	9.5 #	4170	1027	1710	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1586	
Yates	2732	
7 Riv	2978	
Queen	3514	
Penrose	3661	
GU	4008	-333
GL	4094	-419
I	4114	-439
II	4183	-508
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/59	G	4052-59, 4062-64, 4072-74	40 Holes
		4086-88, 4092-94, 4105-07	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/59	G	20,000 x 1-2.5#/gal.			58BO
		frac.			
6/68	G	500 gal. 15% FE NEA			
12/70	G	1000 gal. 15% NEA			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8-21-78 KLL

PROPOSED WELL NO. 18-421

COMPLETION DATE 9/9/59 — GULF HARDIN NO. 6 — COMPLETION INTERNAL: 4139-4168(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1880' FNL & 660' FEL SECTION 18H BLOCK ____

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

DATUM 3673' [DF] G.L. ELEV. ____ TD 4177' PBTD 4172' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	305	300	Circ	12 1/4
4 1/2"	9.5#	4177	350	2799	6 3/4

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1663	
Yates	2817	
7 Riv	3072	
Queen	3614	
Penrose	3716	
Gu	4100	-427
GL	4181	-508
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

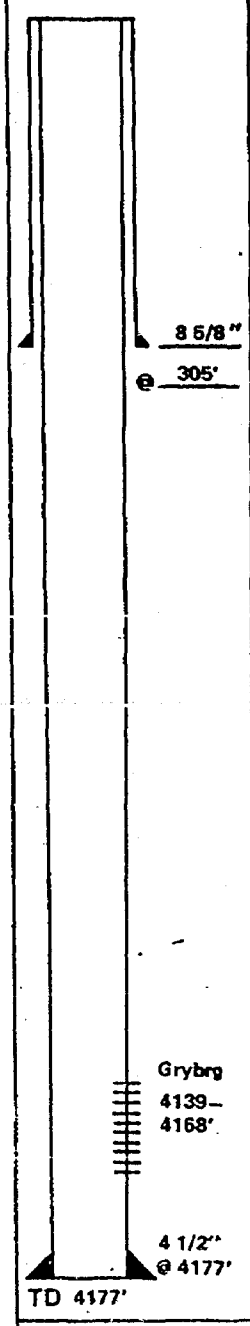
DATE	ZONE	DEPTHS	DENS & SIZE
	G	4139-41, 4146-48, 4156-58	4 SPF
		4166-68	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/59	G	20,000 X 1-2.5#/gal.	frac		144BO
10/64	G	1,000 gal. 15%	AT	4BO 0BW	10BO 0BW
6/68	G	1,000 gal. 15% FE NEA	AT		
12/70	G	1,000 gal. 15% NEA	AT		



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78 KLJ

PROPOSED WELL NO. 18-311

COMPLETION DATE 9/21/60 — GULF HARDIN NO. 7 — COMPLETION INTERNAL: 4165-4186' (G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 2310' FEL — SECTION 18 B — BLOCK

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

DATUM 3680' [DF] G.L. ELEV. — TD 4200' — PBTD 4194' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	322	200	Circ.	12¼"
4 1/2"	9.5#	4200	373	3318	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1642	
Yates	2810	
7 Riv	3068	
Queen	3614	
Penrose	3766	
Gu	4116	-436
GL	4208	-528
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

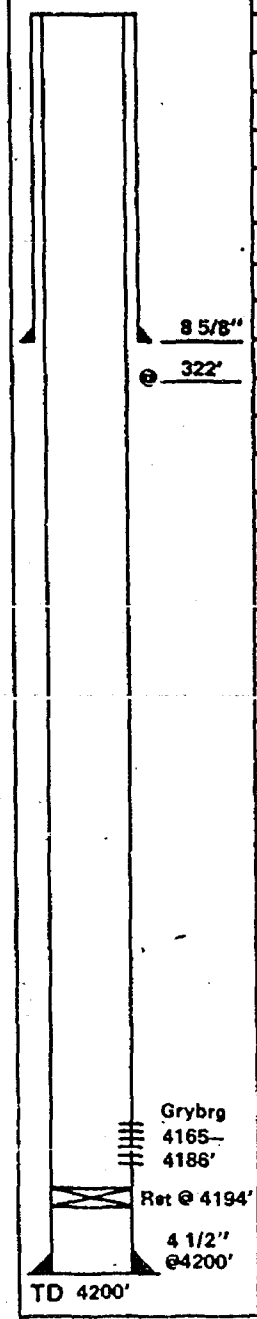
DATE	ZONE	DEPTHS	DENS & SIZE
9/60	G	4165, 4175, 4186	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
	4194'	Cmt. ret. sqz'd w/27 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/60	G	15,300 X 1-1.5#/gal.	frac		152BO
9/64	G	1,000 gal. 15%	AT	5BO 0BW	17BO 0BW
3/66	G	1,000 gal. 15% NEA	AT		
5/68	G	1,000 gal. 15% FE NEA	AT		
12/70	G	1,000 gal. 15% NEA	AT		



OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLL

PROPOSED WELL NO. 18-341

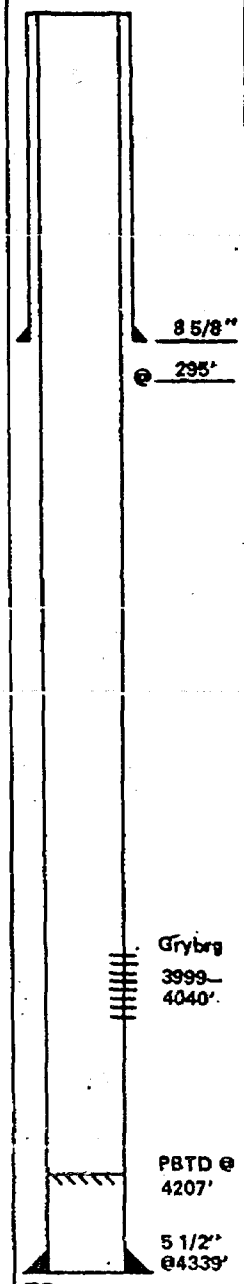
COMPLETION DATE 8/1/71 — GULF HARDIN NO. 9 — COMPLETION INTERNAL: 3999-4040(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 580' FSL & 2310' FEL SECTION 18 O BLOCK ____

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

DATUM 3672' [DF] G.L. ELEV. ____ TD 4340' PBTD 4207' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	295	275	Circ.	11"
5 1/2"	14#	4339	285	2525	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anby	1552	
Yates	2800	
Queen	3490	
Gu	3972	-300
GL	4061	-389
I	4068	-396
II	4151	-479
IIu	4231	-559
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/71	G	3999-4001, 4018-20,	4 1/2" SPF
		4038-40	
6/75		*2493-94	4 1/2" SPF
6/75		*1415	4 1/2" SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/75	2493-94	Sqz'd w/500 SX cmt.
6/75	1410	Sqx'd w/350 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/71	G	1000 gal 15% NEA; 14	X 21 frac		30BO 9BW

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLB

WR-31968

PROPOSED WELL NO. 36-211

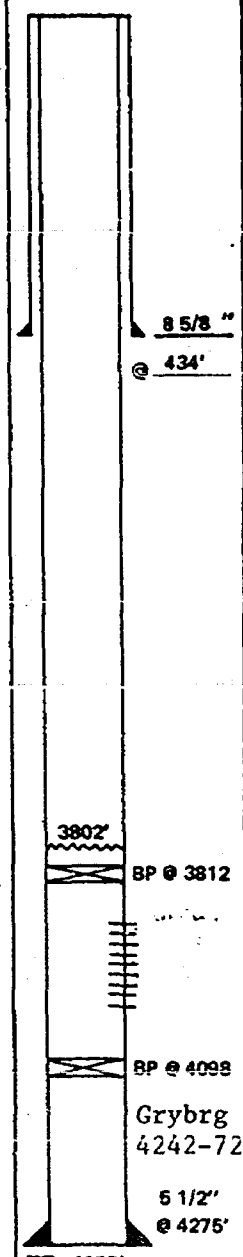
COMPLETION DATE 6-57 — GULF HOLT NCT-D NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1-75 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 36C BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3670' TD 4275' PBTD T.A. [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	434	325	Circ.	11"
5 1/2"	14#	4275	400	*2223	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1658	
Yates	2920	
Queen	3720	
Penrose	3870	
GU	4210	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/57	G	4242-72	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/70		CIBP @ 4098', capped w/1 sk.
		CIBP @ 3812' & capped w/1.5 sx cmt.
		to 3802

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	12,000 gal. AT; 10x10	frac (4242-72')		
2/63	G	1000 gal. 15% NE FE	AT	8BO,1BW	23BO,
					10BW
4/70	G	1000 gal. 15% NEA; sand			
		frac'd (3838-4034')			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KL

COMPLETION DATE 10-7-55 — PROPOSED WELL NO. 30-141 — COMPLETION INTERNAL: 4084-4114(G)

RECOMPLETION DATE —

MARATHON STATE 30 NO. 9

HOBBS (G-SA) UNIT

LOCATION 990' FSL & 990' FWL SECTION 30M BLOCK —

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3663' [DF] G.L. ELEV. — TD 4273' PBTD 4227' [ ]

*CALCULATED **ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	368	200	Circ.	13 3/4"
5 1/2"	15.5 #	4273	3000	Circ.	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

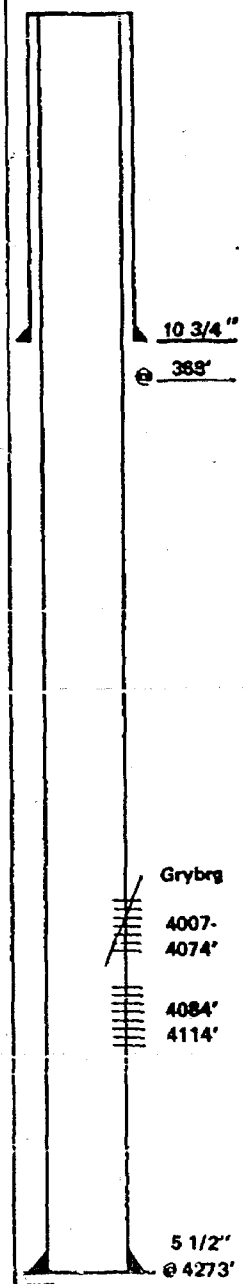
ZONE	TOP	SUBSEA
B Salt	2606	
Yates	2690	
7 Riv	2928	
Queen	3480	
GU	3962	-299
GL	4107	-444
I	4123	-460
II	4187	-524
IIIU	4246	-583
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/55	G	*4007-12, 4016-30, 4040-	6 JPF
		52, 4062-74	
11/65	G	4084-4114	1 SPF
1/73	G	4084-90, 4099-4101, 4107-	
		14	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/65	4007-74	Sqz'd w/150 sx cmt.
12/72	4084-90	Sqz'd w/75 sx cmt. (to reduce GOR)



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/55	G	500 gal. AT; 10x10 frac			46BO
11/65	G	1000 gal. 15% AT;			
		20x35 frac.			
8/70	G	1000 gal. 15%	AT		47BO,5BW
1/73	G	2000 gal. 15%	AT		18BO,67B

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KL

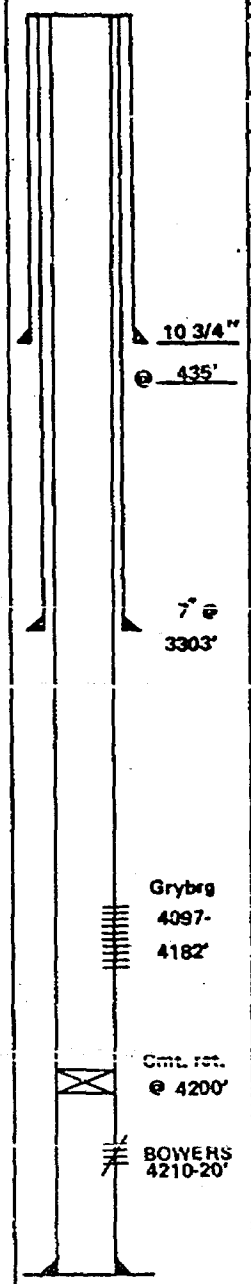
COMPLETION DATE 2-18-50 — PROPOSED WELL NO. 31-141 — MOBIL BERRY NO.4 — COMPLETION INTERNAL: 4097-4182(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FSL & 990' FWL SECTION 31M BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3650' [GL] G.L. ELEV. _____ TD 4317' PBTD 4200' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	435	200	Circ.*	13 3/4
7"	23#	3303	500	279*	8 3/4"
5"	15#	4317	100	3132*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1640	
T Salt	1710	
B Salt	2750	
Yates	2850	
Bowers	3346	
GU	4087	-437
GL	4201	-551
I	4226	-576
II	4302	-652
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/50	Bowers	*4210-20	8 Holes
1/65	G	4097-4182	2 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/65	4210-20	Sqz'd w/200 sx cmt; ret. @ 4200'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/50	Bowers	250 gal.	AT		12 O. 4W
1/65	G	500 gal. 15% NEA + 40			
		x 40 frac.		4BO,12BW	157BO,
					OBW
5/66	G	2000 gal. 28% NEA AT			

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/78 KLL

PROPOSED WELL NO. 34-421

COMPLETION DATE 1-10-62 — MORAN HOBBS NO.1 — COMPLETION INTERNAL: 4236-4250(G)

RECOMPLETION DATE ____ — HOBBS(G-SA) UNIT

LOCATION 2485' FNL & 1184' FEL SECTION 34 H BLOCK ____

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

DATUM 3630' (GL) G.L. ELEV. ____ TD 4303' PBTD 4264' ( )

*CALCULATED
**ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	372	250	Circ.	12 1/4
4 1/2"	11.6#	4303	500	2620	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1695	
Yates	2855	
Queen	3645	
Gu	4176	-546
GL	4257	-627
I	4269	-639
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

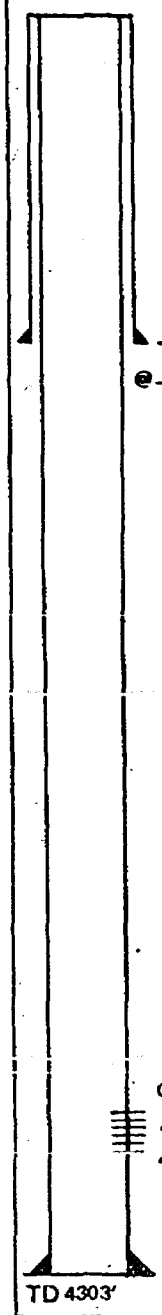
DATE	ZONE	DEPTHS	DENS & SIZE
1/62	G	4236-40, 4248-50	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/62	G	2000 g	AT		



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/78 KLL

PROPOSED WELL NO. 25-121

COMPLETION DATE 1-9-58 — SAMEDAN STATE B NO.2 — COMPLETION INTERNAL: 4140-4236(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990 FWL — SECTION 25E — BLOCK ____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3667' [DF] G.L. ELEV. ____ TD 4261' PBTD ____ [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	287	250	Circ.	12 1/4"
5 1/2"	14#	4260	250	2930	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

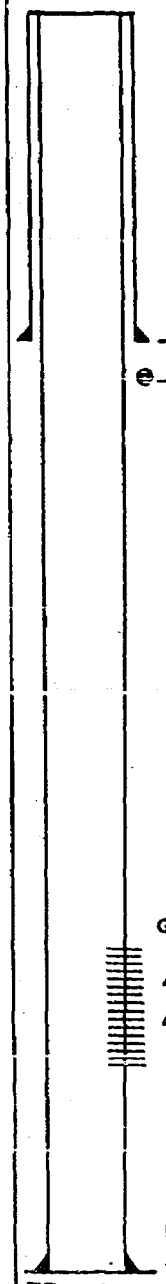
ZONE	TOP	SUBSEA
Anhy	1633	
Salt	1735	
Yates	2840	
7 Riv	3345	
Queen	3634	
Gu	4139	-472
GL	4234	-567
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4231-36, 22-28, 08-14,	4 SPF
		4199-4204, 4186-94,	
		4166-72, 4155-61, 40-48	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
12/57	G	17.5X17.5 frac.	4 intervals-unable to		
			treat rest @8500 psi		
		ball sealers?	~~intervals unknown~~		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78KLL

PROPOSED WELL NO. 28-231

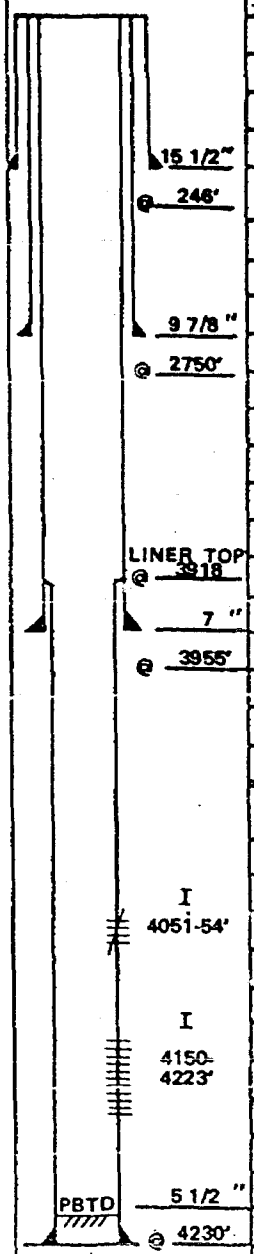
COMPLETION DATE 11-14-33 — SHELL GRIMES NO. 3 — COMPLETION INTERNAL: 4150-4223(IIIU)

RECOMPLETION DATE 1946 (Deepened) — HOBBS (G-SA) UNIT

LOCATION 1325' FSL & 1325' FWL — SECTION 28 K — BLOCK ____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3651' [GL] G.L. ELEV. ____ TD 4231' PBTD 4228' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	246	150	Circ.*	18"**
9 5/8"	36#	2750	150	2315	12 1/4"**
7"	24#	3955	250	2443*	8 3/4"**
5 1/2"	15.5#	3918	100	3918*	6 1/4"**
Lnr.		4230			

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3902	-251
GL	3986	-335
I	3999	-348
II	4069	-418
IIIU	4130	-479
IIIL	4231	-580
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/46	III	4150-4223	4 1/2" JPF
12/73	I	*4051-4054	4 1/2" JPF
11/33		3955-4200 OH	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
9/76	4051-54	Sqz'd w/50 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/34		1000 gal. 50%	AT - OH		
2/34		1500 gal. 50%	AT - OH	892BO	2333BO
4/34		1000 gal. 50%	AT - OH		3150BO
2/46	III	500 gal. 15%	AT		
3/70	III	1500 gal. 15% NEA	AT	67BO,	77BO, 3BW
5/71	III	3000 gal. 15% NEA	AT - 3 Stages	54BO, 7BW	119BO, 16 BW
6/72	III	1000 gal. Para-Clean	AT - 4 Stages	71BO 14BW	100BO, 13 BW
12/73	I	2000 gal. 15% NEA	AT - 5 Stages		
9/76	III	500 gal. 15%	AT	29BO, 275BW	31BO, 298 BW
5/78	III	1000 gal. 15% HCl w/NE	AT	25BO, 28BW	38BO, 76 BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 2120' of 7" csg. pulled & repaired by replacement w/new pipe & lead seals.

DATE: 7-21-78 KLL

PROPOSED WELL NO. 20-232

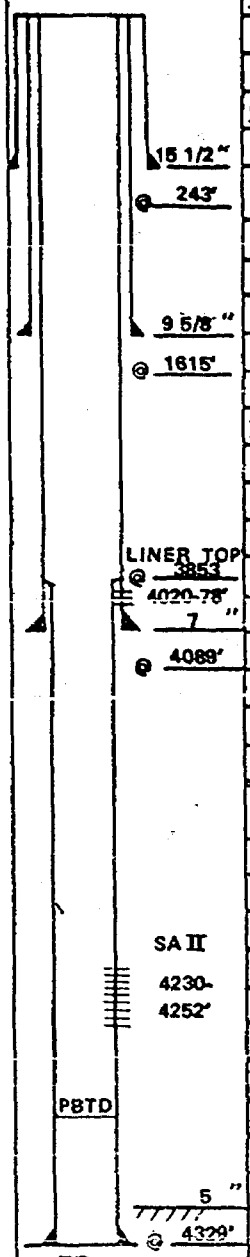
COMPLETION DATE 7/33 — SHELL MCKINLEY B NO. 4 — COMPLETION INTERNAL: 4230-4252(II)

RECOMPLETION DATE 2/73(Deep.) — HOBBS (G-SA) UNIT

LOCATION 1325' FSL & 1325' FWL SECTION 20K BLOCK

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

DATUM 3656' [DF] G.L. ELEV. TD 4330' PBTD 4280' [ ]



*CALCULATED **ESTIMATE

CASING RECORD						LOGGING RECORD			
SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE	DATE	CO.	TYPE	INTERVAL
15 1/2"	70#	243	150	Circ.*	18"**				
9 5/8"	36#	1615	75	1397*	12¼"**				
7"	24#	4089	250	2577*	8 3/4"**				
5" lnr.	15#	3853/4329	55	3853*	6¼"**				

LOG TOPS			PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW			
ZONE	TOP	SUBSEA	DATE	ZONE	DEPTHS	DENS & SIZE
Gu	4067	-411	3/55	G	*4020-78	4 JPF
GL	4157	-501	2/73	II	*4225, 4229, 4232, 35, 39	7 holes
I	4157	-501			4245, 4252	
II	4219	-563	10/74	II	4230, 4232, 4235,39,47,50	7 holes
III u	4288	-632			4252	
			10/74	II	4249-50, 4251-52	8 holes
GOC			SQUEEZE & REPAIR			
OWC			DATE	DEPTH	WORK DONE	
			10/74	4225-52	Sqz'd. w/250 SX cmt.	

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/51	G,I	500 gal. 15% LST	AT		
6/54	G,I	1500 gal. 15% LST	AT		
3/55	G	1500 gal. 15% LST, 13,200 gal Petrogel - AT		,	
2/73	II	1500 gal. 15% NEA	AT		
10/74	II	1200 gal. 15% NEA	AT	44BO 40BW 172MCFG	
10/74	II	2000 gal. 15% NEA	AT		
10/74	II	3000 gal. 15% NEA	AT		28BO 38BW 170MCFG

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/20/78 KLL

PROPOSED WELL NO. 13-431

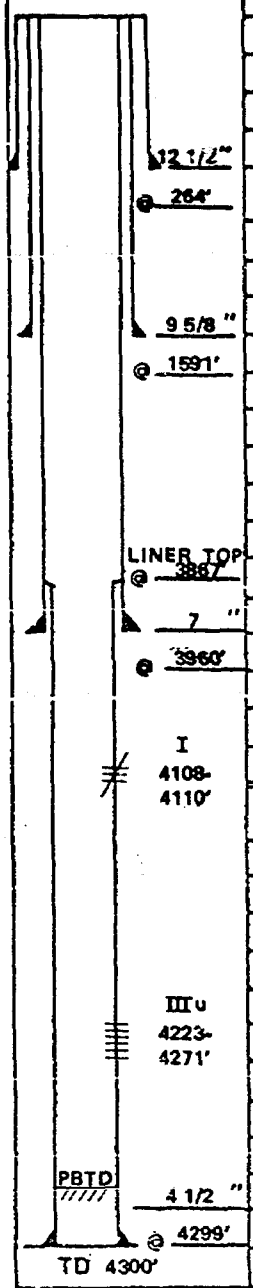
COMPLETION DATE 12/14/35 — SHELL RICE NO. 3 — COMPLETION INTERNAL: 4223-4271(III)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 990' FEL — SECTION 13 I — BLOCK ____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3676' [DF] G.L. ELEV. ____ TD 4300' PBTD 4282' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	264	220	Circ.	16"
9 5/8"	36#	1591	630	Circ*	12"
7"	24#	3960	160	2992*	8 3/4"
4½" lnr	11.6#	3867/4299	100	3867*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3932	-256
GL	4022	-346
I	4063	-387
II	4138	-462
IIIu	4216	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/74	I	*4108, 4109, 4110	3 holes
6/74	III	4223, 4230, 4239, 54, 60	6 holes
		4271	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/74	4108-10'	Sqz'd. w/275 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/58	I	15 X 15 frac		7BO 8BW	22BO 22BW
11/59	G, I	1000 gal. 15% LST AT	OH (4004-88')	11BO 8BW	52BO 8BW
5/61	G, I	2000 gal. 15% NEA	OH (4004-88')	6BO 10BW	6BO 10BW
3/65	G, I	1500 gal. 15% NEA	OH (4004-88')	3BO 60BW	3BO 156BW
7/66	G, I	2000 gal. 28% NEA	OH (4004-88')		22BO 519BW/D
10/71	G, I	3000 gal. 15% NM	OH (4004-88')		
6/74	I	2000 gal. 15% NEA			
6/74	III	2000 gal. 15% NEA			

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: For csg. leak info, see attached.

DATE: 9/12/78KLL

PROPOSED WELL NO. 27-111

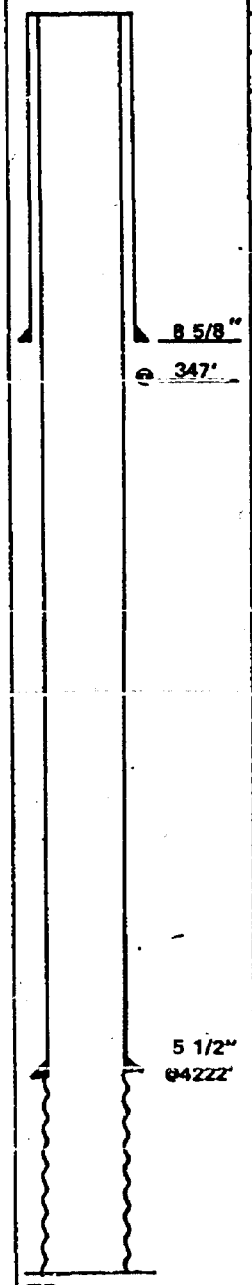
COMPLETION DATE 2-77 — SHELL SANGER NO.6 — COMPLETION INTERNAL: 4222-4260 (G), 4260-4360(SA)

RECOMPLETION DATE 3-74 (Deep.) — HOBBS (G-SA) UNIT

LOCATION 1200' FNL & 470' FWL SECTION 27D BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3641' [GL] G.L. ELEV. TD 4360 PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	347	275	Circ.*	12¼"
5 1/2"	15.5 #	4222	450	1861*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2861	
Bowers	3365	
Queen	3585	
Penrose	3774	
GU	4159	-518
GL	4249	-608
I	4260	-619
II	4299	-658
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/70	I	4262-75 OH	
4/71	G,I	4222-75 OH	
3/74	G,I,II	4222-4360 OH	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/70	4275	600 g. 15% HCl, 2000 g			
		28% HCl	AT - 3 Stgs.		
2/70	4262-75	2000 g. 28% NEA	AT		
4/71	G,I	2000 g. 15% NE + 26.5			
		x 34.6 frac.		BBO, 7 BW	22 BO, 22 BW
3/74	G,I,II	2000 g. 15% NE-FEA	AT - 2 Stages	16 BO, 12 BW	16 BO, 10 BW
5/78		1000 g. 15% HCl w/NE	Dump AT	9BO, 10BW	9BO, 8BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

Rev. 12-8-78

DATE: 7-20-78 KL

PROPOSED WELL NO. 24-211

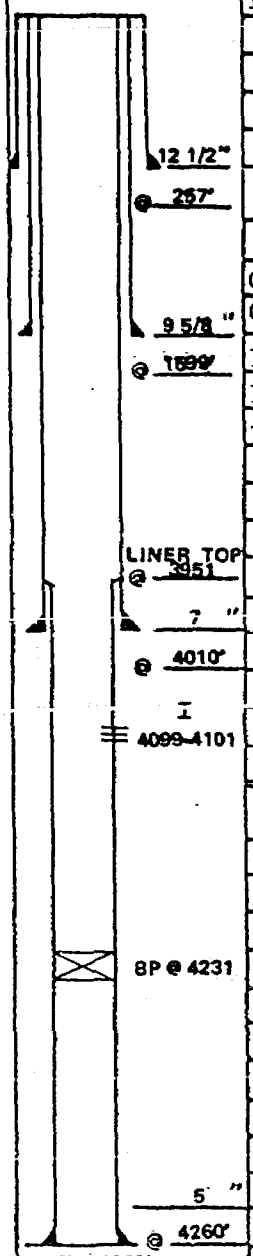
COMPLETION DATE 3-30-35 — SHELL STATE D NO. 2 — COMPLETION INTERNAL: 4099-4101(I)

RECOMPLETION DATE 5-10-41 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 1980' FWL SECTION 24C BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3675' [DF] G.L. ELEV. TD 4260' PBTD 4231' [BP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	257	150	Circ.	16"
9 5/8"	36#	1599	200	865*	11-3/4"**
7"	24#	4010 3952/	250	2498*	8-3/4"**
5" lnr.	15#	4260	100	3952*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3945	-270
GL	4030	-355
I	4035	-360
II	4128	-453
IIIu	4210	-535
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/41	III	*4231-35	3 1/2" JPF
7/47	II	*4186-94	4 1/2" JPF
7/47	III	*4215-25	4 1/2" JPF
7/47	II	*4178-80	4 1/2" JPF
5/48	II	*4201-09	4 1/2" JPF
1/73	II	*4137, 4142, 4149, 4153	1 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/47	4231-35 4178-80	Sqz'd w/cmt.
2/73	4137-53	Sqz'd w/95SX cmt.
5/73	4137-53	Sqz'd w/33SX cmt.
5/73	4141-52	Sqz'd w/75 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/35	4010/4260	2000 gal. Dowell X	AT		
2/48	II	8000 gal. 15% LST	AT-2 stages		
3/48	II	5000 gal. 15%	AT		
5/48	II	500 gal. 15%, LST	AT		
8/50	II	1000 gal. 15% LST	AT		
3/60	II	500 gal. 15% NEA	AT	12BO	64BO 27BW
5/61	II	1500 gal. 15% NEA	AT	18BO	30BO 47BW
3/64	II	1500 gal. 15%NEAw/FE	AT	17BO 36BW	33BO 36BW
9/66	II	2000 gal. 28% NEA	AT	16BO 38BW	27BO 74BW
9/71	II	3000 gal. 15% NM	AT	11BO 32BW	20BO 53BW
10/62	II	1000 gal. 15% MCA	AT	14BO 16BW	31BO 46BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 9/12/78 KLL

PROPOSED WELL NO. 23-321

COMPLETION DATE 7/15/57 — SHELL STATE "F" NO.2 — COMPLETION INTERNAL: 4106-4158 (G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL SECTION 23G BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' [DF] G.L. ELEV. _____ TD 4265' PBTD 4162' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	309	300	Circ.	12 1/4"
5 1/2"	15.5#	4265	1355	Circ.	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4068	-380
GL	4159	-471
T	4194	-506
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

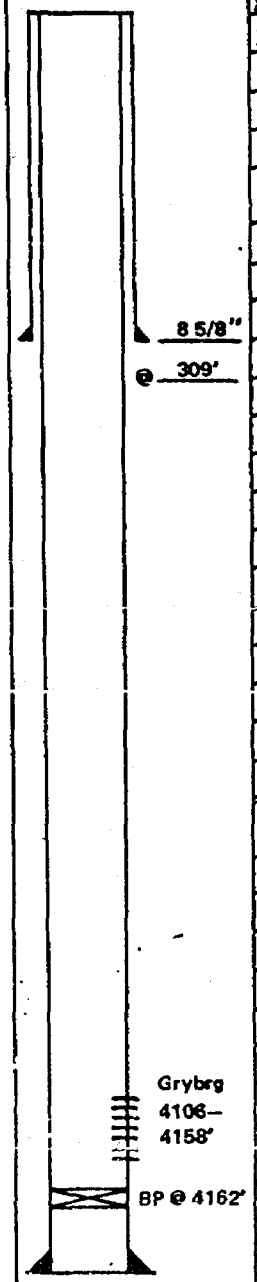
DATE	ZONE	DEPTHS	DENS & SIZE
6/57	G	*4106-20, 4134-60, 4184-90	4 1/2" JPF
7/57	G	4106-20, 4136-40, 4148-58	4 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/57	4106-90	Sqz'd w/375 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/57	G	6000g. MCA + 15 X 15 FRAC			
1/62	G	1000g. 15% NEA			330,61W
3/64	G	1000g. 15% NEA-FE		200,39W	230,49W
3/65	G	1500g. 15% NEA		160,38W	220,118
10/71	G	3000g. 15% NM		40,50W	140,126
11/74	G	500g. 15% NEA		20,90W	80,125



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 7/78 KLL

PROPOSED WELL NO. 31-121

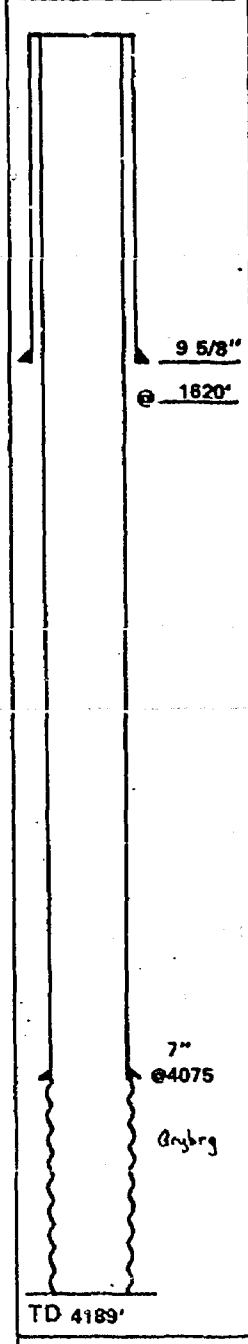
COMPLETION DATE 4-11-49 — SUN FOWLER NO. 4 — COMPLETION INTERNAL: 4075-4189(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1980' FNL & 990' FWL SECTION 31E BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3655' [DF] G.L. ELEV. _____ TD 4189' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	36 #	1620	800	Circ.	12 1/4"
7"	23 #	4075	400	2608	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4054	-399
GL	4180	-525
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/49	G	4075-4189	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: See attached for remedial work done on this well.

DATE: 8-21-78 KT

PROPOSED WELL NO. 20-331

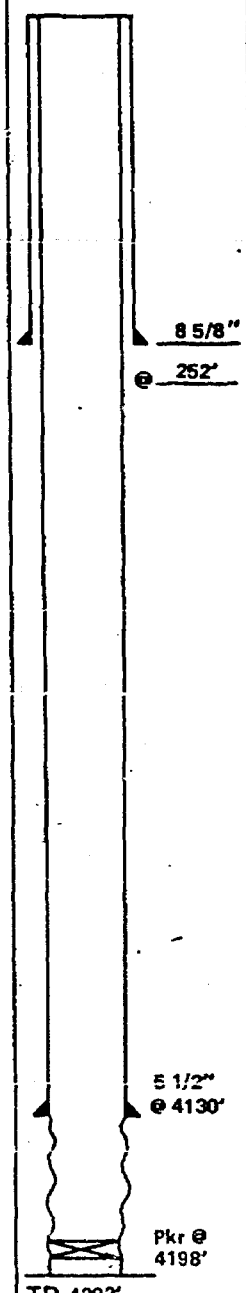
COMPLETION DATE 3-18-54 — B. SWEET BOWERS B NO.2-A — COMPLETION INTERNAL: 4198-4202(I)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2010' FEL SECTION 20J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3654' (GL) G.L. ELEV. _____ TD 4202' PBTD _____ ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	40#	252	150	Circ.	11"**
5 1/2"	15.5#	4130	600	982*	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	3013	
Yates	4194	
GU	4099	-445
GL	4189	-535
I	4192	-538
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/54	I	4198-4202	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/54		200 gal.	AT		66BO

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: All bradenheads closed w/bleeder lines brought to surf. w/valve attached. Valves will be open permanently.

DATE: 8-21-78 KL

PROPOSED WELL NO. 20-421

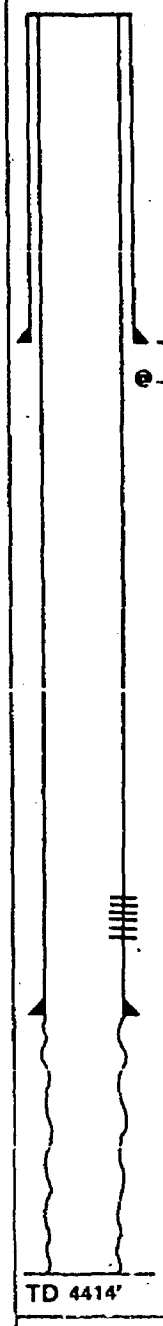
COMPLETION DATE 5/02/52 — C.H. SWEET McKINLEY B NO. 2 — COMPLETION INTERNAL: 4252-4256(I)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FEL SECTION 20 H BLOCK ____

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

DATUM 3654' (GL) G.L. ELEV. ____ TD 4414' PBTD ____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	302	150	Circ.	11"
5 1/2"	15.5#	4278	200	2952	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4128	-474
GL	4216	-562
I	4223	-569
II	4283	-629
IIIu	4343	-689
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/52	I	4252-56	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/52	I	500 gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Cored 4135-56, 4156-4213, 4216-38, 4243-57, 4257-78, 4278-93, 4293-4325

DATE 8/21/78KTT

PROPOSED WELL NO. 23-411

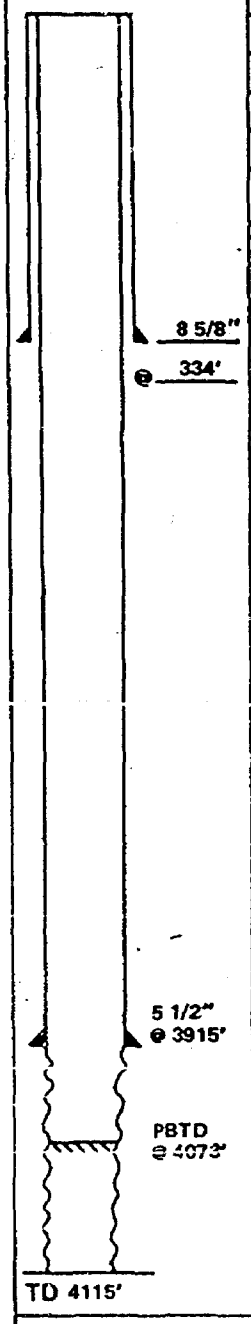
COMPLETION DATE 6/19/51 — C.H. SWEET STATE F NO. 1-A — COMPLETION INTERNAL: 3915-4073(G)

RECOMPLETION DATE 8-63 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330 FEL SECTION 23A BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3686' [DF] G.L. ELEV. TD 4115' PBTD 4073' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	23.7#	334	125	Circ	11"
5 1/2"	15.5#	3915	75	3406	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1600	
T.Salt	2450	
B.Salt	2750	
Gu	3975	-289
GL	4086	-400
I	4110	-424
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/51	G	3915-4073	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/51		1000 gal. AT (3950-4030)			
6/51		1000 gal. AT (4035-4095)			
6/51		1000 gal. AT (4095-4115)			90BO OBW
5/53		5000 gal. AT (3950-4101)			55BO OBW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78KLL

PROPOSED WELL NO. 23-431

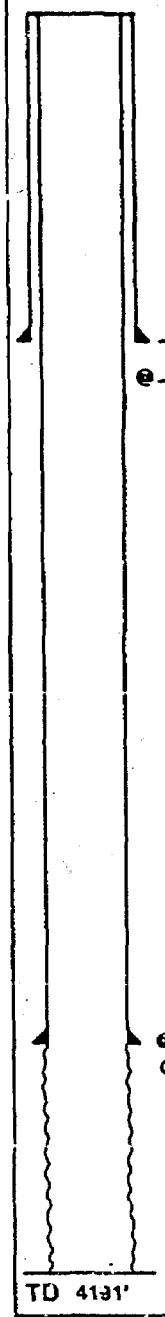
COMPLETION DATE 1/17/53 — C.H. SWEET STATE F NO. 3 — COMPLETION INTERNAL: ____

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 330'FEL SECTION 23I BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3681' [DF] G.L. ELEV. ____ TD 4191' PBTD ____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24.7#	252	125	Circ.	12"
5 1/2"	15.5#	3993	300	1922*	7 3/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1610	
T.Salt	2460	
B.Salt	2760	
Gu	4049	-368
GL	4144	-463
I	4152	-471
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/53	G	3993-4152	OH
1/53	I	4152-4191	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/53	G,I	1000 gal.	AT		
		5000 gal.	AT		5780 .3%W

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78KLL

PROPOSED WELL NO. 14-431

COMPLETION DATE 1/13/58 — TEXAS PAC STATE V NO. 1 — COMPLETION INTERNAL: 4012-4134(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 330' FEL SECTION 14I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3690' [DF] G.L. ELEV. _____ TD 4162' PBTD 4159' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	314	300	Cir.	12 1/4"
5 1/2"	14#	4162	300	2558'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
7 Riv	3012	
Queen	3537	
Penrose	3674	
Gu	4016	-326
GL	4128	-438
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

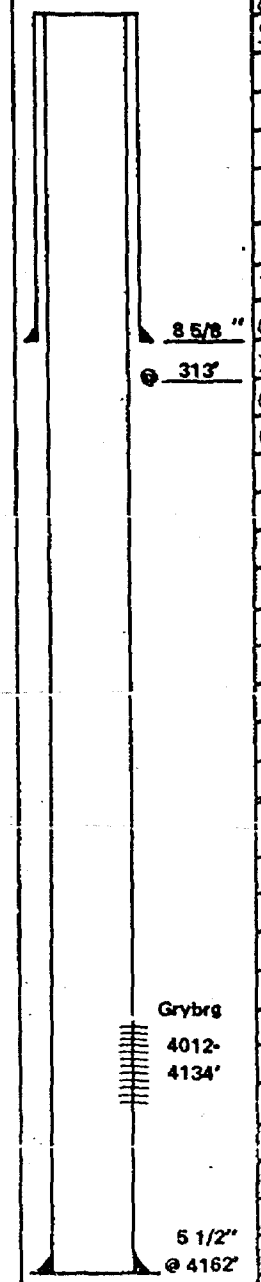
DATE	ZONE	DEPTHS	DENS & SIZE
1/58	G	4012-26, 56-78, 4092-4102	288 holes
		4108-18, 4124-34	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/58	G	1000 gal. AT; 30 X 30	frac		2088D OBW



OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Cored 4050-4100: rec. 50', oil show; 4100-32: rec. 32', oil show; ran logs.

DATE 8/21/78KLL

PROPOSED WELL NO. 23-211

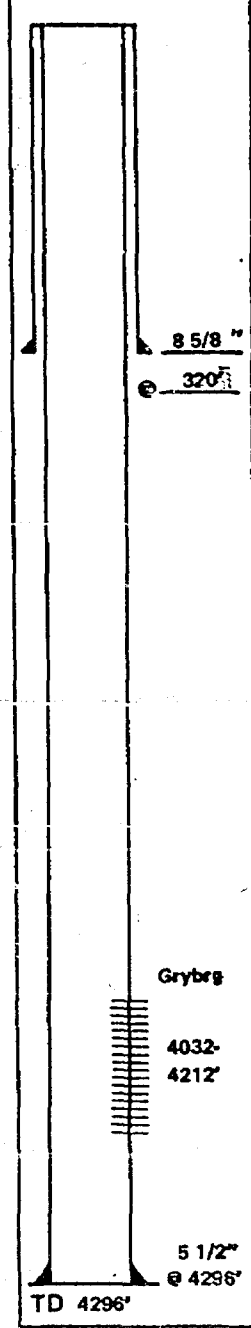
COMPLETION DATE 2-22-59 — TEXAS PAC STATE V NO. 3 — COMPLETION INTERNAL: 4032-4212(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 23C BLOCK ____

SURVEY T-18-3, R-37-E COUNTY Lea County, N.M.

DATUM 3689' [DF] G.L. ELEV. ____ TD 4296' PBTD 4286' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	320	325	Circ.	12 1/4"
5 1/2"	14#	4296	300	2905	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1632	
Yates	2817	
7 Riv	3090	
Bowers	3390	
Queen	3690	
Gu	4129	-440
GL	4262	-573
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/59	G	*4238-78	4 SPF
2/59	G	4088-4108, 4128-42, 48-70,	4 SPF
		4186-98, 4204-12	
3/64	G	4032, 4036, 4040, 4048,	1 SPF
		4064, 4069	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
2/59	4238-78	Sqz'd w/77 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/59	G	500 gal. AT. 15X15	frac		B 120BO, 8
2/59	G	25.5X25.5 frac (3stg. down tbg. & annulus)		240 BO 160BW	166 BO, 0BW
3/64	G	1000 gal. AT; 1000x250	frac	7BO, 2BW	18BO 0BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78KT

PROPOSED WELL NO. 23-231

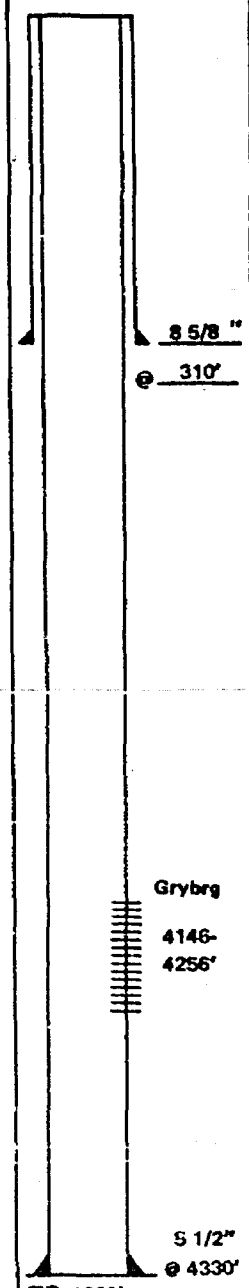
COMPLETION DATE 6/12/59 — TEXAS PAC STATE V NO. 5 — COMPLETION INTERNAL: 4146-4256(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 2310' FWL SECTION 23K BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3690' [DF] G.L. ELEV. ____ TD 4330' PBTD 4300' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	310	350	Circ.	12"
5 1/2"	15.5#	4330	300	2630	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2868	
7 Riv	3150	
Bowers	3434	
Queen	3680	
Penrose	3838	
Gu	4148	-458
GL	4241	-551
I	4276	-586
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/59	G	4146-60, 4164-70, 4174-80	4 SPF
		4188-92, 4196-4204, 4228-36	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/59	G	1000 gal. AT; 20X20	frac		189BO 35BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 3/21/78 KLL

PROPOSED WELL NO. 23-341

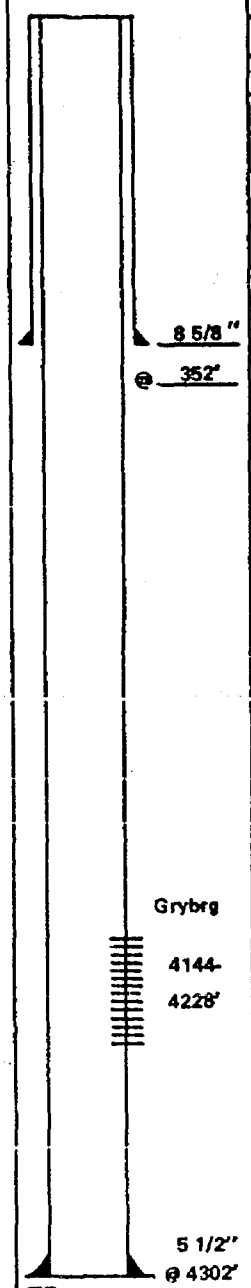
COMPLETION DATE 5-23-56 — YATES SHELL STATE NO. 3 — COMPLETION INTERNAL: 4144-4228(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FEL & 990' FSL SECTION 23 BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3683' [DF] G.L. ELEV. ____ TD 4302' PBTD ____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8'		352	180	Circ.	12 1/2"
5 1/2'		4302	750	*367	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1655	
B Salt	2715	
Yates	2860	
7 Riv	3130	
Queen	3675	
GU	4142	-459
GL	4234	-551
I	4252	-569
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/56	G	4144-52, 4180-96, 4222-28	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/56	G	15 x 15	frac		62BO

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: DST #1 5/12/56 (4253-70') - Open 2 hrs., closed in 20 min. No gas to surf. Rec. was 60' of gas cut drlg. mud & 30' grey colored drlg mud. DST #2 5/12/56 (4280-90') - Open 2 hrs., closed in 20 min. Gas to surf. in 5 min. No fluid to surf. Rec. 330' of oil & gas cut mud & 200' of salty water.

DATE 8-21-78 KLT

PROPOSED NORTH HOBBS (G-SA) UNIT
PROPOSED FOR CONVERSION TO INJECTION

OPERATOR-LEASE	WELL NUMBER	PROPOSED WELL NUMBER
Amerada Hess		
Hardin	1	18-141
State "C"	1	36-411
State "C"	3	36-321
State "E"	1	24-121
State WH "B"	1	14-341
State WH "B"	2	14-231
Antweil		
Hobbs Cone Townsite	1	21-331
Atlantic		
Grimes "SOC"	2A	28-221
Grimes "SOC"	3	28-111
C&C Operating Corp.		
Shipp "A"	1	23-121
Chevron		
State "17"	1	17-131
Cities Service		
Fowler	2	31-311
Hardin	5	19-111
Continental		
Grimes	4	28-431
State "A-29"	1	29-331
State "B-13"	2	13-141
State "B-13"	4	13-221
Exxon		
Bowers "A" Fed. Com.	35	29-111
Grimes	1	29-411
New Mexico "A" State	1	25-431
New Mexico "A" State	5	25-341
New Mexico "A" State	6	25-231
Getty		
Fowler	1	31-211
Hardin	3	19-311
Hardin	4	19-411
Hobbs "E"	1	26-411
State "B"	2	14-321

OPERATOR-LEASE	WELL NUMBER	PROPOSED WELL NUMBER
Gulf		
Grimes "B"	4	33-411
Hardin	5	18-331
Hardin	6	18-421
Hardin	7	18-311
Hardin	9	18-341
Holt NCT "D"	1	36-211
Marathon		
State 30	9	30-141
Mobil		
Berry	4	31-141
Moran		
Hobbs	1	34-421
Samedan		
State "B"	2	25-121
Shell		
Grimes	3	28-231
McKinley "B"	4	20-232
Rice	3	13-431
Sanger	6	27-111
State "D"	2	24-211
State "F"	2	23-321
Sun		
Fowler	4	31-121
Bill Sweet		
Bowers "B"	1-A	20-331
C. H. Sweet		
McKinley "B"	2	20-421
State "F"	1-A	23-411
State "F"	3	23-431
Texas Pacific		
State "V"	1	14-431
State "V"	3	23-211
State "V"	5	23-231
Yates		
Shell State	3	23-341

PROPOSED NORTH HOBBS (G-SA) UNIT
PROPOSED FOR CONVERSION TO INJECTION

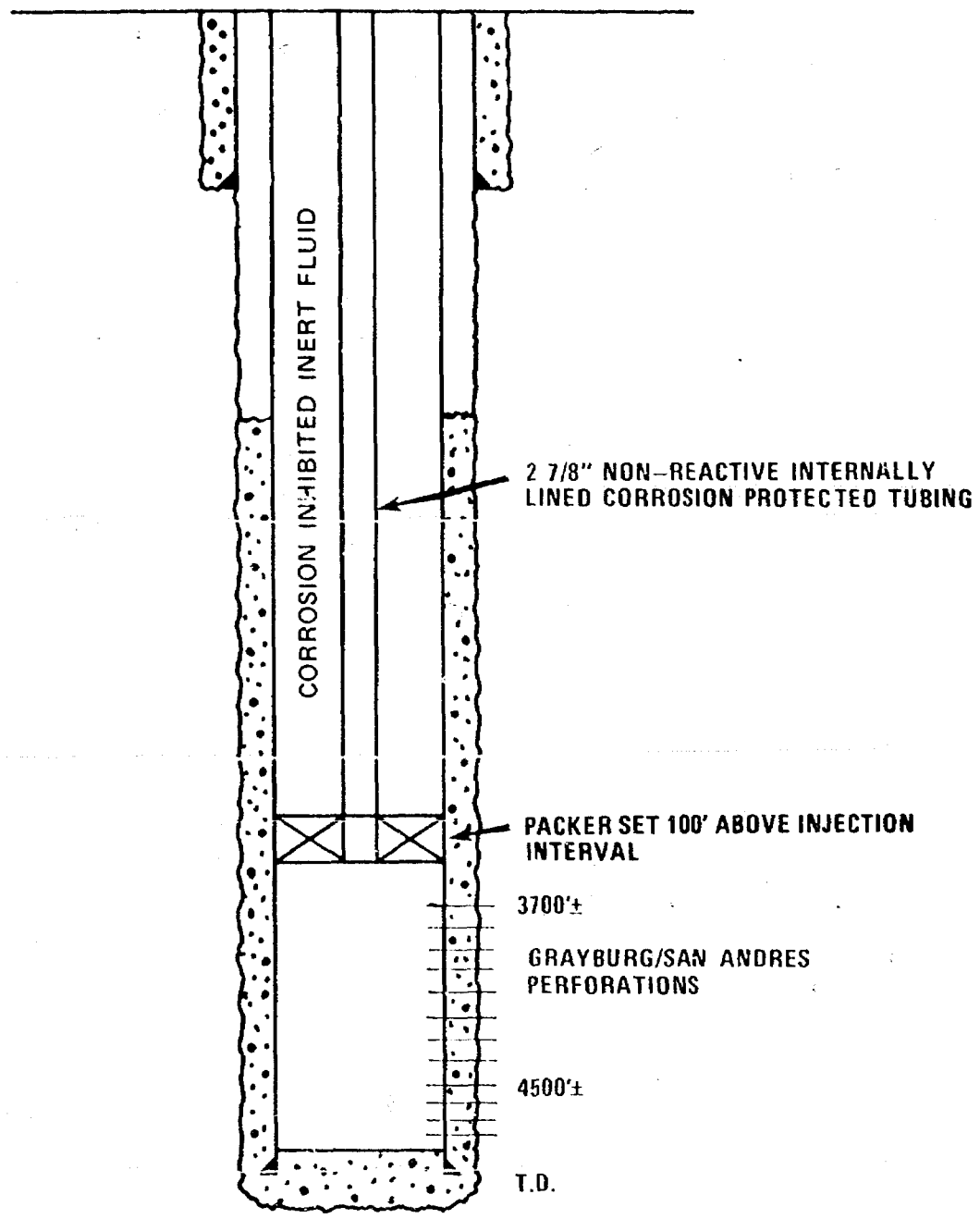
Proposed Well Number	Operator-Lease	Well Number
13-141	Conoco St. "B-13"	2
13-221	Conoco St. "B-13"	4
13-431	Shell Rice	3
14-231	Amerada WH "B"	2
14-321	Getty State "B"	2
14-341	Amerada WH "B"	1
14-431	Texas Pacific State "V"	1
17-131	Chevron State "17"	1
18-141	Amerada Hardin	1
18-311	Gulf Hardin	7
18-331	Gulf Hardin	5
18-341	Gulf Hardin	9
18-421	Gulf Hardin	6
19-111	Cities Services Hardin	5
19-311	Getty Hardin	3
19-411	Getty Hardin	4
20-232	Shell McKinley "B"	4
20-331	Bill Sweet Bowers "B"	2-A
20-421	C. H. Sweet McKinley "B"	2
21-331	Antweil Hobbs Cone Townsite	1
23-121	C&C Operating Corp. Shipp "A"	1
23-211	Texas Pacific State "V"	3
23-231	Texas Pacific State "V"	5
23-321	Shell State "F"	2
23-341	Yates Shell State	3
23-411	C. H. Sweet State "F"	1-A
23-431	C. H. Sweet State "F"	3
24-121	Amerada State "E"	1
24-211	Shell State "D"	2
25-121	Samedan State "B"	2
25-231	Exxon New Mexico "A" State	6
25-341	Exxon New Mexico "A" State	5
25-431	Exxon New Mexico "A" State	1
26-411	Getty Hobbs "E"	1

Proposed Well Number	Operator-Lease	Well Number
27-111	Shell Sanger	6
28-111	Atlantic Grimes "SOC"	3
28-221	Atlantic Grimes "SOC"	2A
28-231	Shell Grimes	3
28-431	Conoco Grimes	4
29-111	Exxon Bowers "A" Fed. Com.	35
29-331	Conoco State "A-29"	1
29-411	Exxon Grimes	1
30-141	Marathon State 30	9
31-121	Sun Fowler	4
31-141	Mobil Berry	4
31-211	Getty Fowler	1
31-311	Cities Service Fowler	2
33-411	Gulf Grimes "B"	4
34-421	Moran Hobbs	1
36-211	Gulf Holt NCT "D"	1
36-321	Amerada State "C"	3
36-411	Amerada State "C"	1

EXHIBIT 26

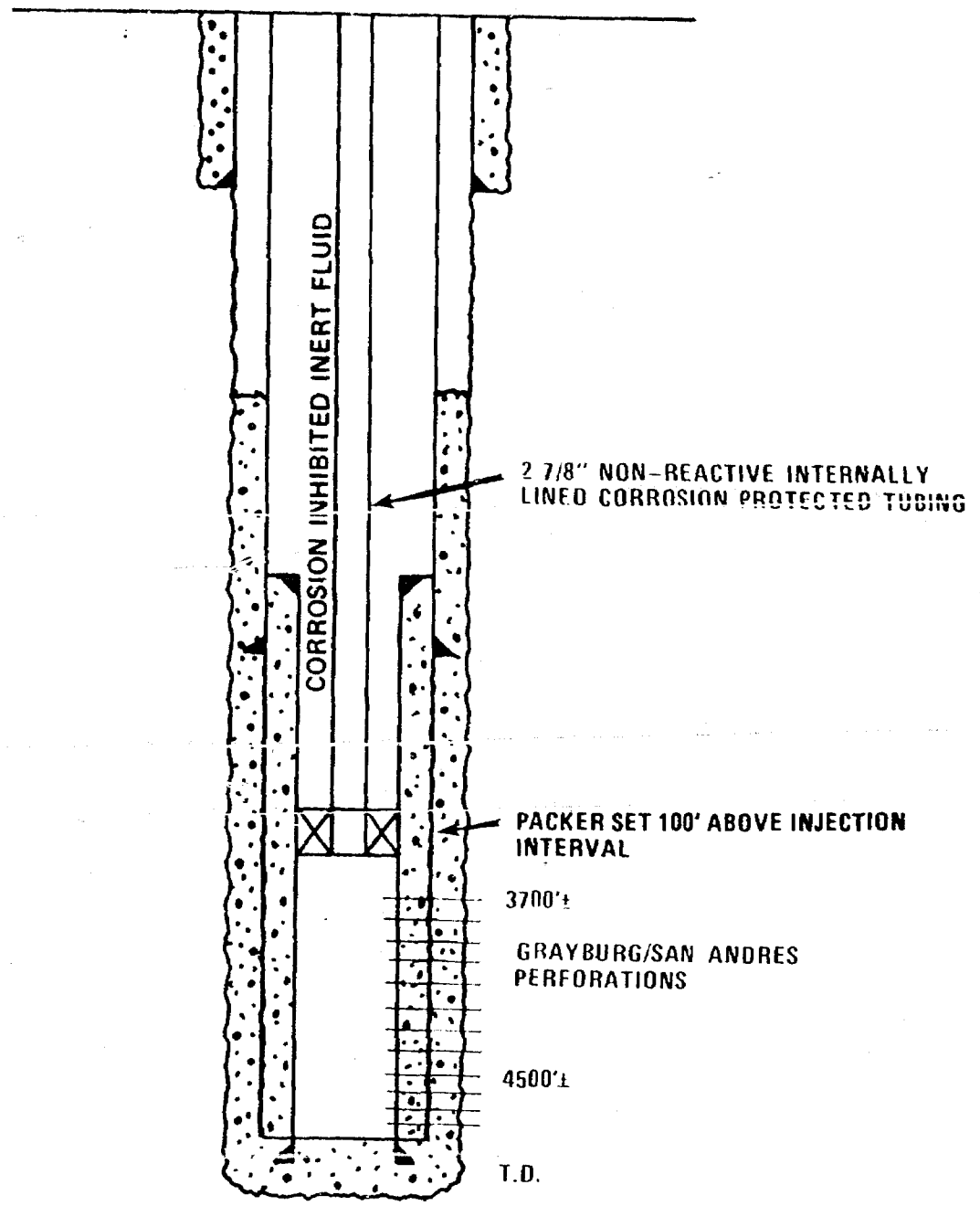
BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5563 Exhibit No. 26
Submitted by Shell
Hearing Date 10-3-79

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



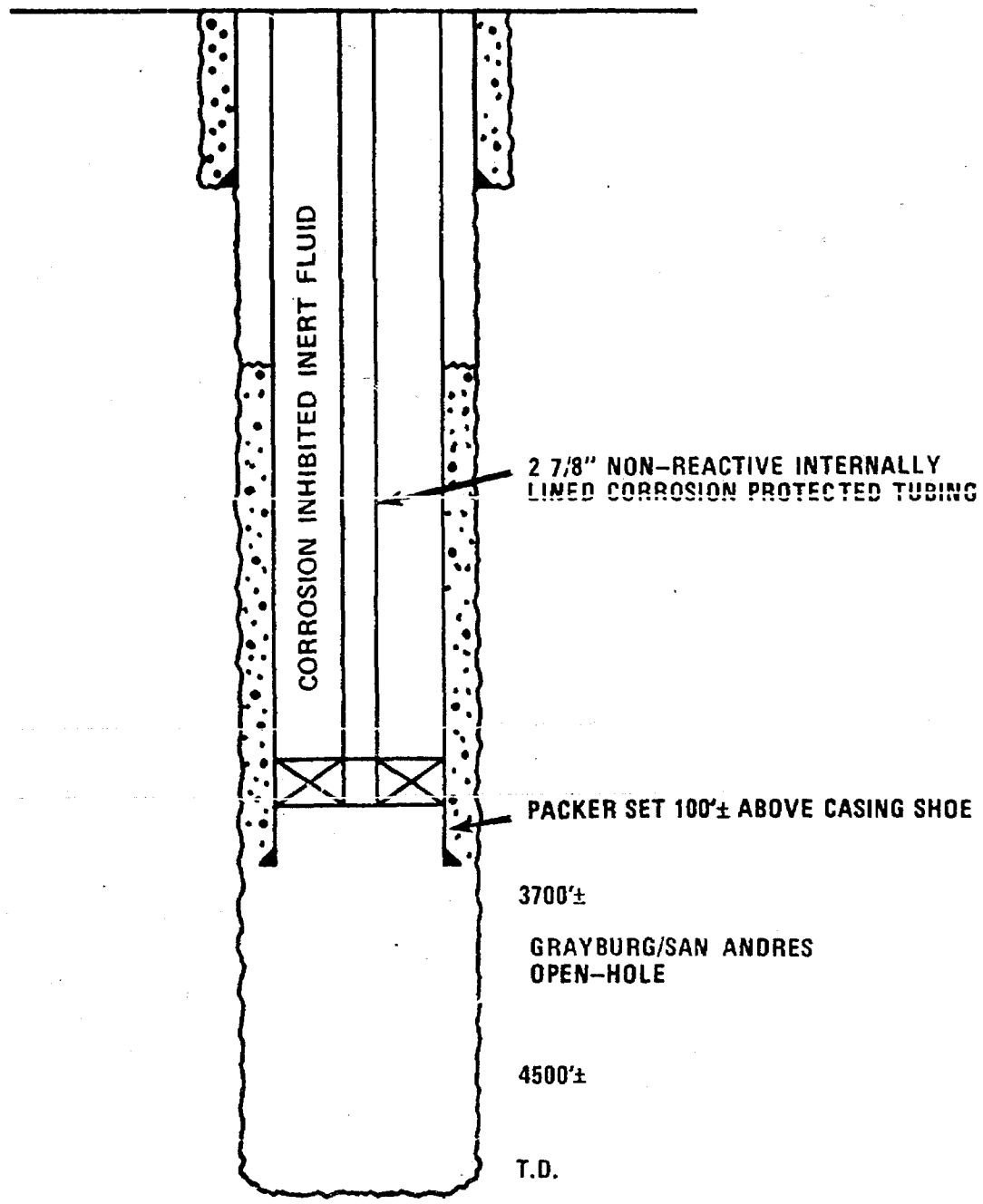
SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
TWO CASING STRINGS

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
W/LINER

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
OPEN-HOLE COMPLETION

EXHIBIT
27

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5563 Exhibit No. 27
Submitted by Shell
Hearing Date 10-3-79

NORTH HOBBS (G/SA) UNIT

WELL NUMBERS
(BUDGET APPROVED)
NEW DRILLING WELLS

Sec.	Unit Letter	Unit Well #	Proposed Location	Type
24	N	24-242	1220' FSL & 2540' FWL	Inj.
29	M	29-142	1220' FSL & 100' FWL	Inj.
33	D	33-112	1220' FNL & 100' FWL	Prod.
18	N	18-242	1220' FSL & 2540' FWL	Inj.
19	M	19-142	1220' FSL & 100' FWL	Inj.
19	N	19-242	1220' FSL & 2540' FWL	Inj.
25	A	25-412	1220' FNL & 1220' FEL	Inj.
29	D	29-112	330' FNL & 1000' FWL	Inj.
29	N	29-242	1220' FSL & 1650' FWL	Prod.
30	F	30-222	2540' FNL & 1420' FWL	Inj.
31	I	31-432	2540' FSL & 1220' FEL	Inj.
31	P	31-442	100' FSL & 1220' FEL	Inj.
32	A	32-412	1220' FNL & 1220' FEL	Inj.
32	E	32-122	2310' FNL & 1220' FWL	Inj.
32	I	32-432	2310' FSL & 1310' FEL	Prod.
32	N	32-242	100' FSL & 1420' FWL	Inj.
32	P	32-442	100' FSL & 1220' FEL	Inj.
33	C	33-212	1220' FNL & 1440' FWL	Inj.
33	J	33-332	2540' FSL & 2540' FEL	Prod.
33	K	33-232	1420' FSL & 1420' FWL	Prod.
33	N	33-242	100' FSL & 1420' FWL	Inj.
33	O	33-342	100' FSL & 1420' FEL	Inj.
28	N	28-242	990' FSL & 1330' FWL	Inj.

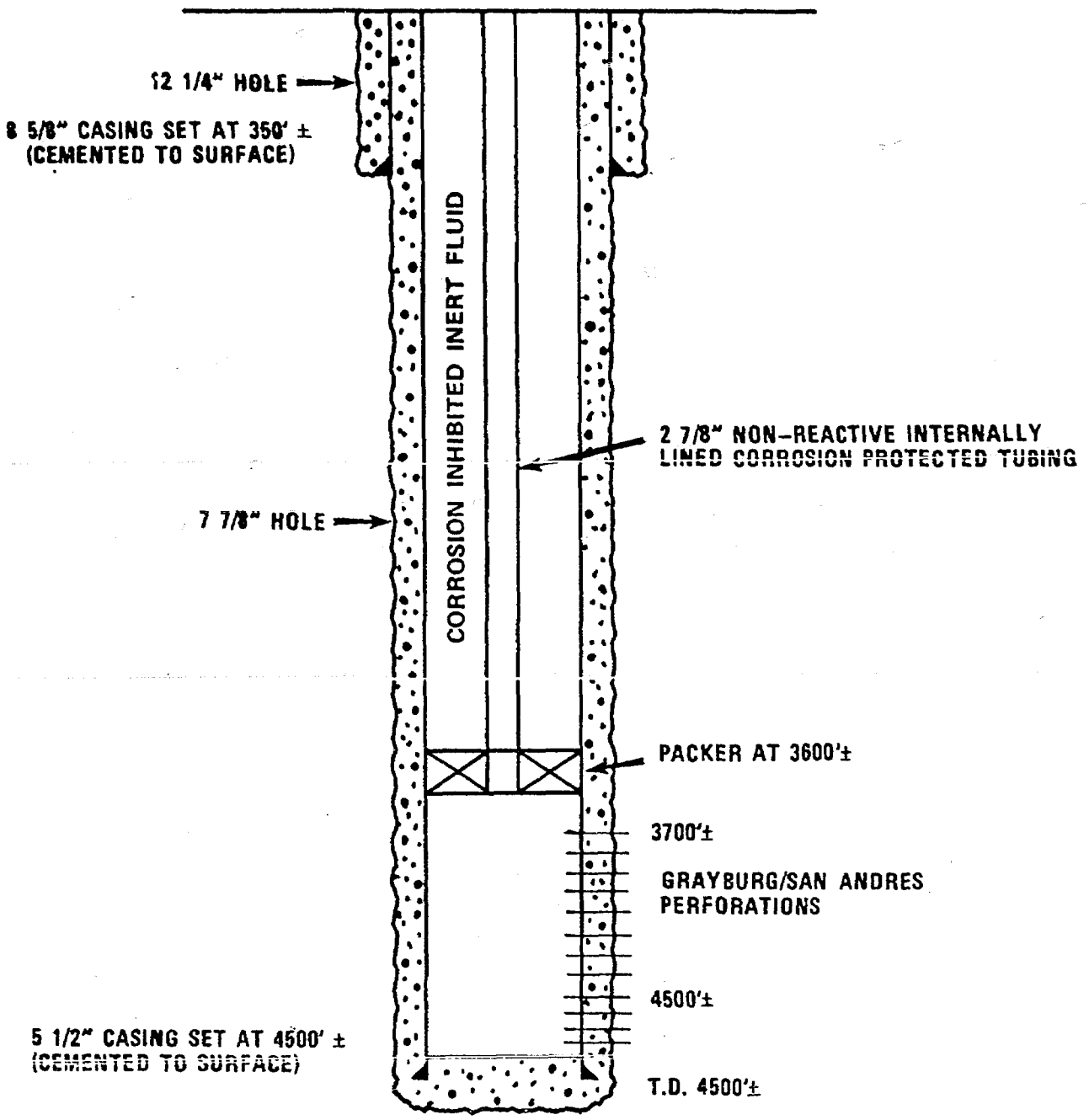
EXHIBIT

28

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5563 Exhibit No. 28
Submitted by Shell
Hearing Date 10-3-79

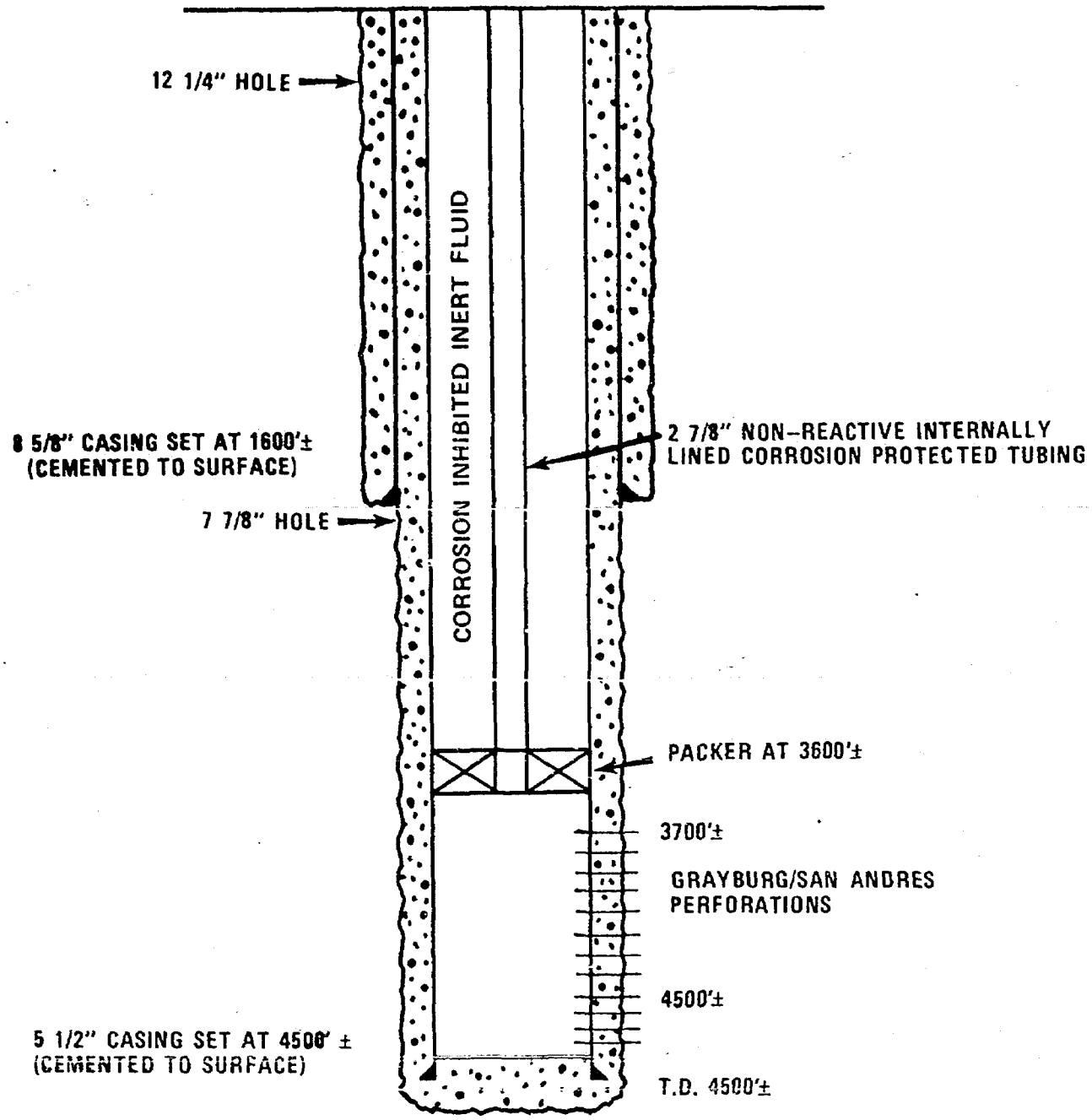
2Z00969-01

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED INJECTION WELL
SURFACE CASING TO 350'±

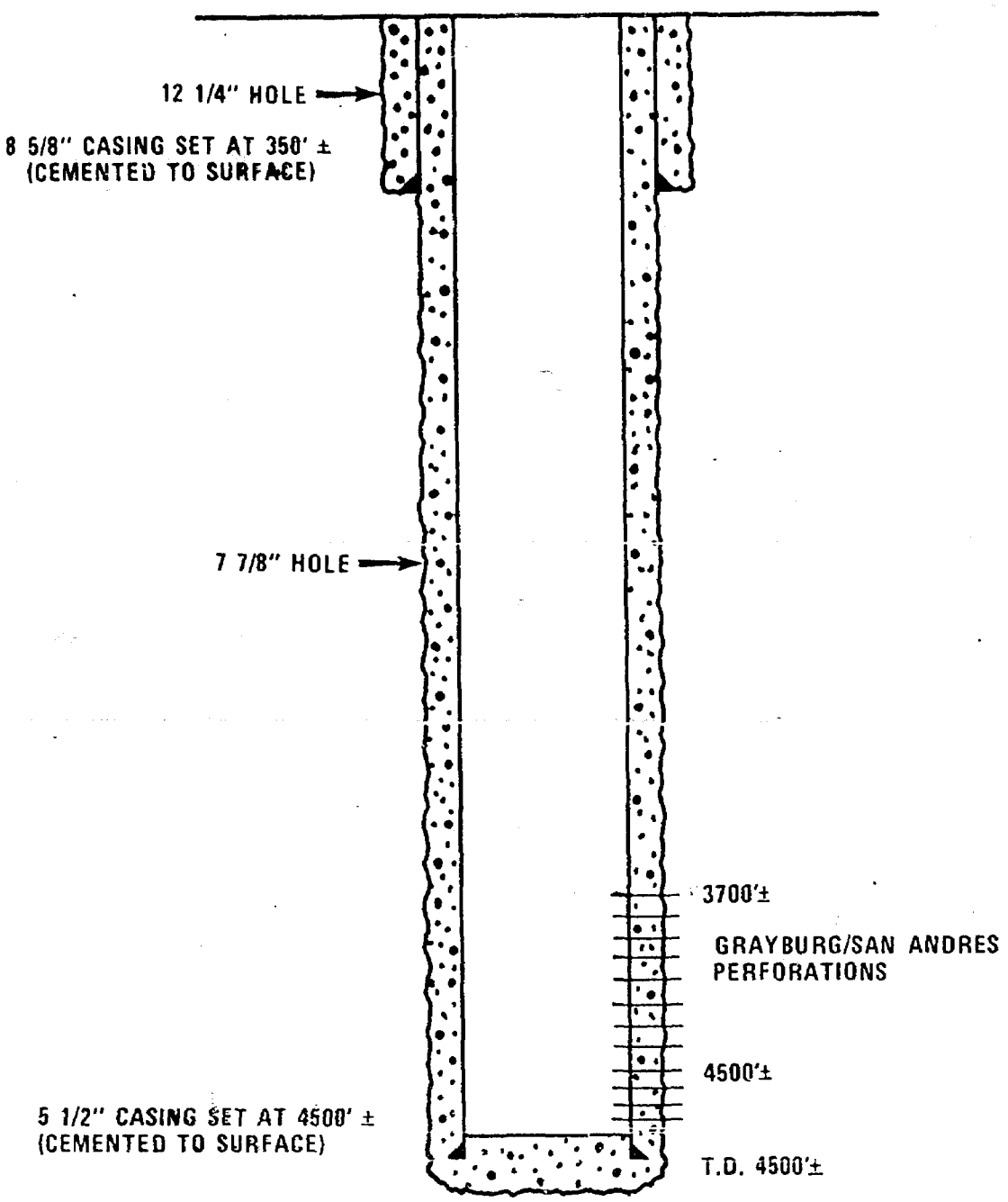
NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED INJECTION WELL
SURFACE CASING TO 1600'±

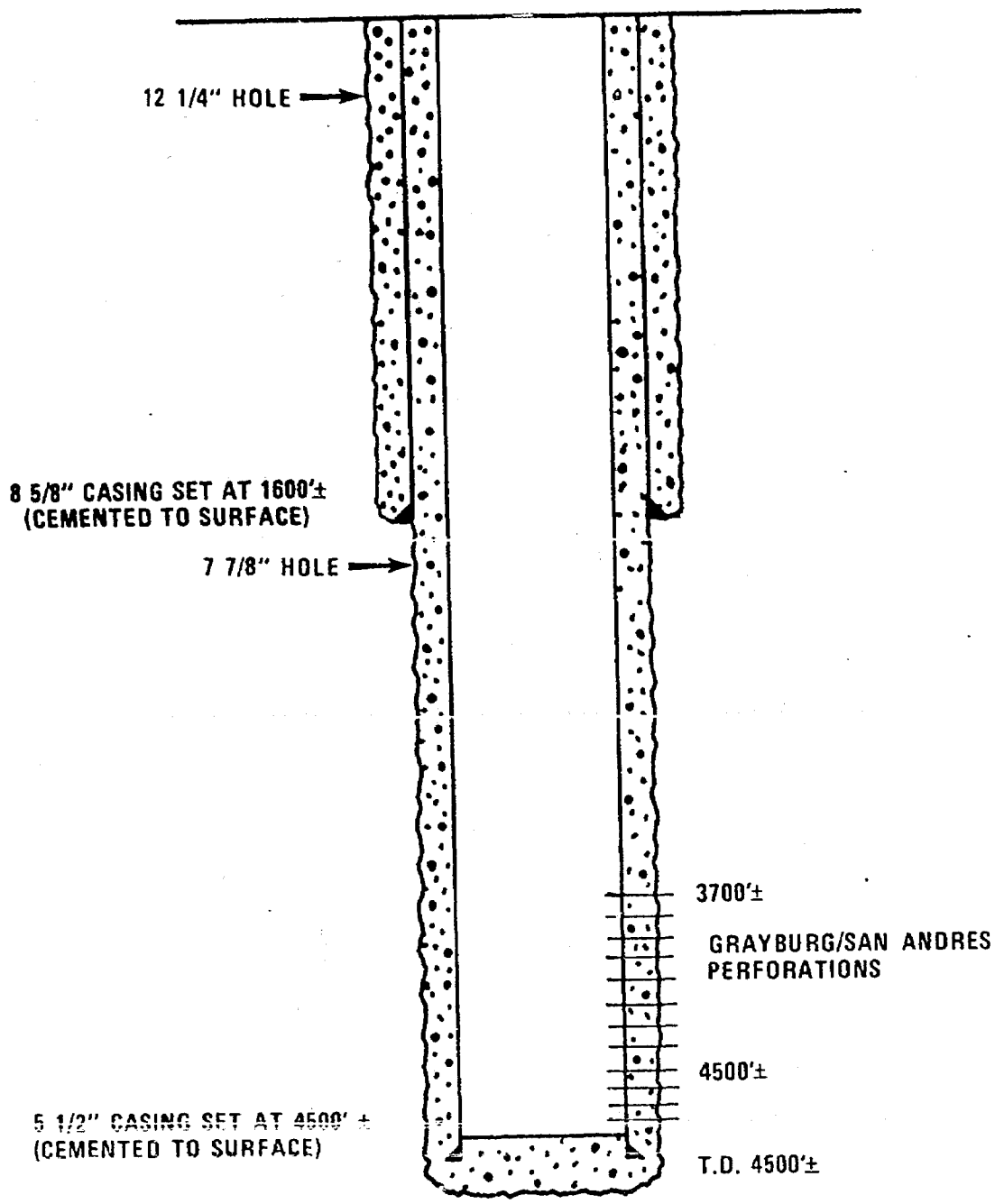
2200969-04

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED PRODUCING WELL
SURFACE CASING TO 350'±

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED PRODUCING WELL
SURFACE CASING TO 1600'±

EXHIBIT 29

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5563 Exhibit No. 29
Submitted by Shell
Hearing Date 10-3-79

UNAVAILABLE LOGS FOR PROPOSED INJECTION WELLS

OPERATOR	LEASE NAME & WELL NO.	PROPOSED UNIT NO.	LOCATION
Antwiel	Hobbs CT No. 1	21-331	1650' FSL & 2260' FEL
Cities Service	Fowler No. 2	31-311	440' FNL & 2310' FEL
Continental	Grimes No. 4	28-431	990' FEL & 1650' FSL
Exxon	New Mexico State No. 1	25-431	330' FEL & 2310' FSL
Getty	Hardin No. 4	19-411	1300' FNL & 1300' FEL
Bill Sweet	Bowers "B" No. 2-A	20-331	1650' FSL & 2010' FEL

EXHIBIT 30

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5563 Exhibit No. 30
Submitted by Shell
Hearing Date 10-3-79

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
18I	141 Amerada Hardin #1 330' FSL & 330' FWL	3673 DF	4395	4151	16" 10 3/4" 8 5/8" 6 5/8" Lnr. 4 1/2" Lnr.	70# 45# 32# - -	222 2781 3923 3859/4146 4086/4393	250 SX 450 SX 275 SX 50 SX 100 SX	Circ.* 1656* 2133* 3859* 4086*	18 1/2"** 13 1/2"** 10"** 8 1/4"** 6 1/4"**	3953-4059 (G)	6-32	3-76 (TA)
18N	241 Amerada Hardin #2 330' FSL & 2310' FWL	3670 DF	4325		12 1/2" 9 5/8" 7" 5 1/2" Lnr. 4" Lnr.	50# 36# 24# - -	228 2802 3937 3877/4197 4143/4323	250 SX 450 SX 300 SX 50 SX 35 SX	Circ.* 1151* 2123* 3251* 4148*	16"** 11 3/4"** 8 3/4"** 6 1/4" 5"	3992-4052 (G) 4233-4285 (SA)	11-32	6-73 (TA)
18L	131 Amerada Hardin #3 2310' FSL & 330' FWL	3676 DF	4180	4046	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# -	225 2803 4134 4011/4180	250 SX 450 SX 300 SX -	Circ.* 3152* 2320* -	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4011-4046 (G)	6-33	6-73 (TA)
18K	231 Amerada Hardin #5 1980' FSL & 1901' FWL	3676 DF	4290	4164	7" 4 1/2"	17# 9.5#	327 4289	250 SX 185 SX	Circ. 2822	9 5/8" 6 1/4"	4006-4044 (G)	5-59	6-73 (TA)
30D	111 Amerada McKinley #1 330' FNL & 330' FWL	3650 GL	4230		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# 10.5#	231 2155 3851 3784/4229	250 SX 450 SX 200 SX 220 SX	Circ.* 1104* 2102* 3784*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	3851-4043 (G) 4043-4130 (SA)	7-30	
30F	221 Amerada McKinley #2 2310' FNL & 2310' FWL	3659 GL	4208		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# -	260 2750 3852 3799/4207	250 SX 535 SX 250 SX 125 SX	Circ. 781* 1666* 3799*	16" 11 3/4"** 8 1/4" 6 1/4"	3851-4041 (G) 4041-4208 (SA)	4-30	
30C	211 Amerada McKinley #3 330' FNL & 2310' FWL	3654 GL	4227		12 1/2" 9 5/8" 6 5/8"	50# 40# 24#	230 2647 3912	200 SX 400 SX 250 SX	Circ.* 1179* 2248*	16"** 11 3/4"** 8 1/4"**	3972-4227 (SA)	8-30	
30E	121 Amerada McKinley #4 2310' FNL & 330' FWL	3662 DF	4198		12 1/2" 9 5/8" 7"	50# 36# 24#	232 2749 3994	200 SX 400 SX 425 SX	Circ.* 1281* 1424*	16"** 11 3/4"** 8 3/4"**	3994-4046 (G) 4046-4114 (SA)	9-30	
32B	311 Amerada State A #1 990' FNL & 2310' FEL	3638 GL	4160		12 1/2 " 9 5/8" 7"	50# 40# 24#	207 2739 3938	200 SX 425 SX 350 SX	Circ.* 1179* 1821*	16"** 11 3/4"** 8 3/4"**	3939-3964 (G) 3964-4160 (SA)	8-30	
32A	411 Amerada State A #2 330' FNL & 330' FEL	3658 DF	4160		12 1/2" 9 5/8" 7"	50# 36# 24#	224 2740 3939	200 SX 400 SX 500 SX	Circ.* 1272* 915*	16"** 11 3/4"** 8 3/4"**	4093-4160 (SA)	9-30	
29F	221 Amerada State B #1 2310' FNL & 1650' FWL	3653 DF	4214		12 1/2" 9 5/8" 5 1/2" 4 1/2"	50# 36# 24# -	210 2704 3997 4213	200 SX 400 SX 500 SX -	Circ.* 1236* 1373* -	16"** 11 3/4"** 7 7/8"** 5"**	4175-4185 (SA)		
29G	321 Amerada State B #2 2310' FNL & 1650' FEL	3652 DF	4207		12 1/2" 9 5/8" 7"	50# 36# 24#	221 2756 3995	250 SX 500 SX 300 SX	Circ.* 921* 2181*	16"** 11 3/4"** 8 3/4"**	3995-4058 (G) 4058-4207 (SA)		
29B	311 Amerada State B #3 990' FNL & 1650' FEL	3653 DF	4269		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	241 2776 4008 4234	250 SX 400 SX 500 SX 100 SX	Circ.* 1308* 984* 2343*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4044-4110 (G)	10-30	
29C	211 Amerada State B #4 330' FNL & 2310' FWL	3656 DF	4253		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# -	243 2796 4003 3957/4228	250 SX 400 SX 500 SX 130 SX	Circ.* 1328* 2031* 3957*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4125-4150 (G) 4180-4253 (SA)	11-30	11-40 (Deepened SA)
36A	411 Amerada State C #1 330' FNL & 330' FEL	3658 DF	4236	4167	15 1/2" 10" 7"	70# 45# 24#	242 2750 4062	400 SX 500 SX 1038*	Circ.* 1418*	18"** 12 3/4"** 8 3/4"**	4062-4167 (G)	1-31	
36H	421 Amerada State C #2 1650' FNL & 330' FEL	3658 DF	4210		8 5/8" 5 1/2"	24# 15.5#	363 4210	380 SX 400 SX	Circ.* 2111*	12 1/4" 7 7/8"	4044-4209	9-56	
36G	321 Amerada State C #3 1650' FNL & 1650' FEL	3663 DF	4293	4260	8 5/8" 5 1/2"	24# 15.5#	374 4266	350 SX 400 SX	Circ. 2825	12 1/4" 7 7/8"	4156-4262 (G)	11-56	10-74 (TA)
24E	121 Amerada State E #1 1650' FNL & 990' FWL	3682 DF	4319	4128	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 14#	228 2821 4053 4012/4249	250 SX 450 SX 300 SX -	Circ.* 1170* 2239*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4094-4215 (G) 4160-4150 (SA-Dense)	8-35	

*Calculated
**Estimate

PROPOSED NORTH HOBBS
(GRAYBURG - SAN ANDRES)
UNIT AREA

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Sxs. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
26D	111 Amerada State E #2 330' FNL & 990' FWL	3685 DF	4233		10 3/4" 7" 5 1/2" Lnr.	40# 24# 15#	231 3998 3942/4268	250 SX 500 SX 30 SX	Circ.* 976* 3942*	13 3/2"** 8 3/4"** 6 1/4"*	4034-4054 (G) 4082-4168 (SA)	8-35	
16G	341 Amerada State WAB #1 660' FSL & 1650' FEL	3688 DF	4176		8 5/8" 5 1/2"	32# 15.5#	303 4163	250 SX 400 SX	Circ. 2610	12 1/4" 7 7/8"*	4163-4176 (G)	11-57	9-76 (TA)
14E	231 Amerada State WAB #2 1650' FSL & 2310' FWL	3698 DF	4250	4247	8 5/8" 5 1/2"	24, 32# 14#	262 4249	250 SX 400 SX	Circ. 2705	12 1/4" 7 7/8"*	4156-4228 (G)	8-58	6-73 (TA)
33E	121 Amoco State G #1 2310' FNL & 333' FWL	3643 GL	4279	4251	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 40# 24# 9.5#	184 2755 3951 4251/4219	- - - 135 SX	- - - 4251*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4208-4223 (SA)	8-30	
33F	221 Amoco State G #2 2310' FNL & 1320' FWL	3643 GL	4242		12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	204 2800 4012 4242	- - - 100 SX	- - - 3057*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4203-4214 (SA)	9-30	
21I	331 Antwell Hobbs CT #3 1650' FSL & 2260' FEL	3642 GL	4225	4222	8 5/8" 4 1/2"	20# 9.5#	430 4224	250 SX 425 SX	Circ. 2288*	11" 7 7/8"	4185-4206 (G)	10-64	
20O	341 Atlantic Grimes #1 330' FSL & 2310' FEL	3643 GL	4248		12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 9.5#	232 2190 4037 3886/4248	200 SX 500 SX 300 SX 70 SX	Circ.* 9551 2223* 3886*	16"** 11 3/4"** 8 3/4"** 6 1/4"*	4037-4158 (G)	10-30	
28E	121 Atlantic Grimes SOC #1 2310' FNL & 330' FWL	3643 GL	4250	4247	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 10.6#	228 2350 3942 3893/4250	265 SX 700 SX 300 SX 65 SX	Circ.* 1815* 2128* 3893*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4139-4243 (SA)	9-30	
28F	221 Atlantic Grimes SOC #2A 1910' FNL & 1650' FWL	3646 GL	4240	4238	10 3/4" 7"	32, 75# 20, 23#	581 4240	600 SX 682 SX	Circ.* 1161*	15" 8 3/4"	4164-4240 (SA)	2-59	7-71 (Rec.)
28O	111 Atlantic Grimes SOC #3 990' FNL & 330' FWL	3646 GL	4280	4130	15 1/2" 10" 7" 4 1/2" Lnr.	70# 45# 26# 11.6#	296 2704 3956 3913/4234	200 SX 150 SX 250 SX 50 SX	Circ.* 2304* 2444* 3913*	18"** 12 3/4"** 8 3/4"** 6 1/4"**	4109-4121 (G)	7-34	
28C	211 Atlantic Grimes SOC #4 990' FNL & 2310' FWL	3649 GL	4220		15 1/2" 10 3/4" 7"	70# 45# 24#	243 2233 4036	300 SX 200 SX 600 SX	Circ.* 2428* 1811*	18"** 15"** 8 3/4"**	4036-4163 (G) 4163-4220 (SA)	9-35	
36B	311 Byrom Gulf Holt St. #3 330' FNL & 1650' FEL	3651 GL	4225	4212	8 5/8" 5 1/2"	24# 14#	320 4225	300 SX 650 SX	Circ.* 2605*	11 3/4" 8 3/4"	4116-4168 (G)	3-53	
20F	221 Chevron McKinley #1 2310' FNL & 1320' FWL	3644 GL	4290		13 3/8" 9 5/8" 7" 4 1/2" Lnr.	54.5# 36# 26# -	237 2770 4026 3900/4290	142 SX 700 SX 150 SX -	22* 738* 3119* -	17"** 12 1/4"** 8 3/4"** 6 1/8"	4227-4236 (G)	10-30	
20E	121 Chevron McKinley #2 1980' FNL & 660' FWL	3648 GL	5391		16" 7" 4 1/2" Lnr.	70# 26# -	259 4054 -	225 SX 275 SX -	256 4022 -	19 3/4" 8 5/8" 6 3/4"**	4216-4224 (SA)	5-33	
17L	331 Chevron State 17 #1 1650' FSL & 330' FWL	3668 DF	4207	4153	9 5/8" 7"	32, 36# 23#	423 4206	240 SX 925 SX	Circ.* Circ.*	12 1/4" 9 3/4"	4127-4187 (G)	6-57	6-73 (TA)
29P	441 Chevron State 29 #3 330' FSL & 330' FSL	3643 GL	4220		13 3/8" 9 5/8" 7" 5" Lnr.	54.5# 36# 26# -	232 2743 3950 4020/4122	150 SX 1400 SX 300 SX 22 SX	Circ.* Circ.* 2136* 4020*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4020-4028 (SA) 4150-4220 (SA)	10-30	
29O	341 Chevron State 29 #4 2318' FEL & 330' FSL	3643 GL	4220		13 3/8" 9 5/8" 7" 5"	54.5# 36# 26# -	210 2750 3934 4162	150 SX 700 SX 300 SX 350 SX	Circ.* 718* 2120* Circ.	17"** 12 1/4"** 8 3/4"** 6 1/4"	4010-4035 (SA) 4160-4220 (SA)	10-30	
31A	411 Cities Service Fowler #1 330' FNL & 330' FEL	3655 GL	4175		12 1/2" 9" 6 5/8"	50# 32# 24#	242 2746 3938	50 670 200	1974 1858* 3248*	16"** 11 3/4"** 8 3/4"**	3938-4035 (G) 4035-4175 (SA)	7-30	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Casing Amt. of Cmt.	Casing TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Treat. Abandoned Date
31B	311 Cities Service Fowler #2 440' FNL & 2310' FEL	3645 GL	4201	4192	12 1/2" 9" 6 5/8" 5" Lnr.	50# 36# 24# 18#	230 2735 3951 3852/4194	200 SX 500 SX 250 SX 35 SX	Circ.* 1235* 2227* 3882*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	3991-4042 (G)	9-30	3-75 (TA)
31G	321 Cities Service Fowler #3 2200' FNL & 2310' FEL	3644 GL	4212		12 1/2" 9" 7"	50# 36# 24#	221 2150 3957	150 SX 500 SX 200 SX	Circ.* 1289* 2148*	16"** 11 3/4"** 8 3/4"**	3957-4099 (G) 4099-4212 (SA)	11-30	
31H	421 Cities Service Fowler #4 1370' FNL & 330' FEL	3651 GL	4190	4123	12 1/2" 9 5/8" 7" 5 1/2"	50# 40# 24# 15.5#	242 2760 3955 4190	100 SX 300 SX 150 SX 635 SX	64* 1659* 3048* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4103-4121 (SA)	4-34	
31A	412 Cities Service Fowler #9 660' FNL & 660' FEL	3651 GL	6260	4170	13 3/8" 8 5/8" 5 1/2"	48# 24, 32# 14, 15.5, 20#	343 3799 6255	350 SX 500 SX 400 SX	Circ. 2372 3080	17 1/2" 11" 7 7/8"	4047-4052 (G) 4066-4151 (SA)	3-69	
19F	221 Cities Service Hardin #1 2310' FNL & 2310' FWL	3661 DF	4209		12 1/2" 9" 7"	50# 40# 24#	241 2350 3991	200 SX 500 SX 200 SX	Circ.* 1289* 2782*	16"** 11 3/4"** 8 3/4"**	3991-4054 (G) 4054-4709 (SA)	9-30	
19E	121 Cities Service Hardin #2 2110' FNL & 333' FWL	3666 DF	4250		12 1/2" 9" 7" 4 1/2" Lnr.	50# 40# 24# -	245 2252 4020 3884/4250	200 SX 500 SX 200 SX 45 SX	Circ.* 1291* 2811* 3954*	16"** 11 3/4"** 8 3/4"** 6 3/4"**	4230-4248 (SA)	9-30	
19C	211 Cities Service Hardin #3 1309' FNL & 2310' FWL	3663 DF	4270	4263	12 1/2" 9" 7" 5" Lnr.	50# 36# 24# -	241 2350 3983 3925/4266	200 SX 500 SX 200 SX 50 SX	Circ.* 915* 2774* 3925*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4261 (SA)	11-30	
19D	112 Cities Service Hardin #4 330' FNL & 330' FWL	3672 DF	4204	4008	12 1/2" 9" 7"	50# 36# 24#	230 2270 3945	150 SX 500 SX 250 SX	Circ.* 1309* 2433*	16"** 11 3/4"** 8 3/4"**	3945-4008 (G)	9-32	4-52 (TA)
19D	111 Cities Service Hardin #5 990' FNL & 990' FWL	3671 DF	4255	4253	8 5/8" 5 1/2"	24# 14#	251 4254	200 SX 1500 SX	Circ. 1108	11" 7 7/8"	4242-4248 (SA)	5-52	
28O	341 Continental Grimes #1 2310' FEL & 330' FSL	3642 GL	4278		13 3/8" 9 5/8" 7" 5"	48# 36# 24# -	222 1637 3915 4276	180 SX 300 SX 400 SX 100 SX	Circ.* 766* 1556* 3091*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4128-4258 (SA)	2-34	
28P	431 Continental Grimes #2 660' FEL & 330' FSL	3642 GL	4220		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	243 1634 4015	150 SX 300 SX 300 SX	Circ.* 185* Circ.*	13 1/2"** 9 5/8"** 6 1/4"	4015-4040 (G) 4040-4220 (SA)	1-35	
28J	331 Continental Grimes #3 2310' FEL & 1650' FSL	3649 GL	4225		10 3/4" 7 5/8" 5 1/2" 4"	45# 26.4# 17# -	245 1635 4015 4280	150 SX 300 SX 300 SX 100 SX	Circ.* 185* Circ.* 2428*	13 1/2"** 9 5/8"** 6 1/4"** 5"**	4015-4048 (G) 4048-4225 (SA) 4256-68	5-35	
28I	431 Continental Grimes #4 990' FEL & 1650' FSL	3648 GL	4225		10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	225 1640 3993	150 SX 400 SX 600 SX	Circ.* Circ.* 1894*	13 1/2"** 9 5/8"** 7 7/8"**	3993-4084 (G) 4084-4225 (SA)	9-35	
29J	331 Continental State A29 #1 1650' FEL & 1650' FSL	3655 DF	4270	4248	12 1/2" 9 5/8" 7" 4 1/2"	50# 40# 24# 10.5#	234 2742 3929 4270	170 500 SX 300 SX 750 SX	Circ.* 907* 2115* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4044-4063 (SA) 4205-4242 (SA)	9-30	1-76 (TA)
29O	241 Continental State A29 #2 330' FSL & 2310' FWL	3645 GL	4184		12 1/2" 9 5/8" 7"	50# 40# 24#	217 2330 3929	150 SX 500 SX 300 SX	Circ.* 895* 2115*	16"** 11 3/4"** 8 3/4"**	4115-4184 (SA)	10-30	
29K	231 Continental State A29 #3 1650' FEL & 2310' FSL	3650 GL	4220		15 1/2" 9 5/8" 7"	70# 40# 24#	252 2729 3953	1000 SX 600 SX 300 SX	Circ.* 987* 2139*	18"** 12 1/4"** 8 3/4"**	4176-4190 (SA)	10-30	
33H	141 Continental State A33 #1 660' FSL & 660' FWL	3635 GL	4258		12 1/2" 9 5/8" 7" 5" Lnr.	50# 40# 24# 13#	209 2738 3976 3828/4258	165 SX 500 SX 275 SX 45 SX	Circ.* 903* 2313* 3828*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4236-4249 (SA)	9-30	
33L	131 Continental State A33 #2 2310' FNL & 330' FWL	3635	4243		15 1/2" 9 5/8" 7" 5"	70# 40# 24# 18#	208 2740 3953 3922	373 SX 500 SX 300 SX 100 SX	Circ.* 1289* 2139* 3057*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4193-4238 (SA)	10-30	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
33K	231 Continental State A33 #3	3645 GL	4259		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 26# -	183 2732 3946 3940/4233	250 SX 600 SX 310 SX 50 SX	Circ.* 990* 2071* 3940*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4198-4259 (SA)		
33J	331 Continental State A33 #4 1920' FSL & 1780' FEL	3644 GL	4234		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 26# -	216 2751 3937 3871/4232	425 SX 600 SX 325 SX 50 SX	Circ.* 1009* 1972* 3871*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4181-4209 (SA)	11-31	
33O	141 Continental State A33 #5 1980' FEL & 660' FSL	3633 DF	4247		15 1/2" 9 5/8" 7" 5" Lnr.	70# 40# 26# -	213 2755 3981 3970/4237	350 SX 600 SX 325 SX 100 SX	Circ.* 1013* 2016* 3970*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4237-4247 (SA)	12-31	
33N	241 Continental State A33 #6 660' FSL & 1980' FWL	3637 DF	4252		15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 40# 26# -	223 2754 3971 3911/4236	350 SX 600 SX 387 SX 150 SX	Circ.* 1012* 1631* 3911*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4236-4252	2-32	
33G	321 Continental State A33 #7 1950' FNL & 1950' FEL	3648 GL	4244		15 1/2" 9 5/8" 7" 5 1/2"	70 40 26 15.5	251 2756 3970 4244	235 SX 400 SX 350 SX (80 300 SX	Circ.* 1615* 1853* 1407*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4225-4234 (SA)	1-33	
13N	241 Continental State B13 #1 660' FSL & 1980' FWL	3680 DF	4035		10 3/4" 7 5/8" 5 1/2"	40# 26,4# 17#	236 1615 4002	150 SX 300 SX 400 SX	Circ.* 166* Circ.*	13 1/2"** 9 5/8"** 6 1/4"**	4002-4024 (G) 4024-4035 (SA)	6-35	2-74 (TA)
13M	141 Continental State B13 #2 660' FSL & 660' FWL	3684 DF	4235		13" 9 5/8" 7" 5" Lnr.	50# 36# 26# -	270 1630 4005 3957/4235	200 SX 400 SX 400 SX 75 SX	Circ.* 469* 1586* 3957*	16"** 12 1/4"** 8 3/4"** 6 1/4"	4002-4060 (G)	9-35	1-51
13F	221 Continental State B13 #4 1980' FNL & 1980' FWL	3688 DF	4160	4156	8 5/8" 5 1/2"	24# 14#	307 4159	300 SX 1700 SX	Circ. 1750	11"** 7 7/8"**	4049-4152 (G)	4-57	
13E	121 Continental State B13 #5 1980' FNL & 660' FWL	3692 DF	4235	4198	8 5/8" 5 1/2"	- -	304 4199	282 SX 1800 SX	Circ.* Circ.*	11"** 7 7/8"**	4092-4235 (G)	6-57	
13C	211 Continental State B13 #6 660' FWL & 1980' FNL	3691 DF	4257		8 5/8" 5 1/2"	32# 14#	318 4256	300 SX 1800 SX	Circ. 1825 (TS)	11"** 7 7/8"**	4112-4248 (G)		
13L	131 Continental State B13 #7 330' FWL & 1980' FSL	3691 DF	4154	4118	8 5/8" 5 1/2"	24# 14#	343 4153	375 SX 950 SX	Circ.* Circ.*	11" 7 7/8"	4002-4114 (G)	4-61	
25C	211 Continental State B 25 #1 330' FNL & 2310' FWL	3673 DF	4225	4219	15 1/2" 9 5/8" 7"	70# 40# 24#	214 2767 4026	225 SX 600 SX 325 SX	Circ.* 1025* 2061*	18"** 12 1/4"** 8 3/4"**	4026-4108 (G) 4108-4225 (SA)	5-35	
25J	111 Continental State B25 #2 660' FNL & 660' FWL	3675 DF	4200		8 5/8" 5 1/2"	28# 14#	302 4199	250 SX 1500 SX	Circ.* Circ.*	11"** 7 7/8"**	4087-4180 (G)	4-57	
31K	231 Mobil Berry #1 1250' FWL & 2196' FSL	3644 GL	4190		13 3/8" 9 5/8" 7" 5" Lnr.	- - - -	245 2800 3935 3847/4190	- - 300 SX 110 SX	- - 2141* 3847*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4094-4110 (G)		
31N	241 Mobil Berry #2 990' FSL & 2310' FWL	3646 GL	4155		9 5/8" 7" 5"	36# 24# 15#	470 3225 4141	200 SX 800 SX 90 SX	Circ.* Circ.* 3074*	12 1/4" 8 3/4" 6 1/4"	4110-4136 (G) 4141-4155 (SA)	5-68	
31L	131 Mobil Berry #3 900' FWL & 2310' FSL	3651 GL	4207		9 5/8" 7" 5"	36# 23# 15#	430 3240 4165	350 SX 500 SX 90 SX	Circ.* Circ.* 3098*	12 1/4" 8 3/4" 6 1/4"	4039-4202 (G) 4202-4207 (SA)	11-49	
31M	141 Mobil Berry #4 990' FSL & 990 FWL	3650 GL	4317	4200	10 3/4" 7" 5"	32.75# 23# 15#	435 3303 4317	350 SX 500 SX 100 SX	Circ.* 279* 3132*	13 3/4" 8 3/4" 6 1/4"	4097-4182 (G)	2-50	
30J	331 Exxon Bowers A Fed. #2 2335' FSL & 2310' FEL	3654 DF	4238		15 1/2" 12 1/2" 9 5/8" 7" 5 1/2"	70# 50# 36# 26# -	100 262 2750 3960 4238	- 225 SX 650 SX 300 SX -	- Circ.* 851* 2146* -	18"** 16"** 11 3/4"** 8 3/4"** 6 1/4"**	4068-4092 (SA)	8-30	

*Calculated
**Estimate

PROPOSED NORTH HOBBS
(GRAYBURG - SAN ANDRES)
UNIT WELLS

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elevn	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date	
29J	141 Exxon Bowers A Fed. #3 330' FSL & 330' FWL	3646 GL	4202	4076	12 1/2" 9" 7" 5 1/2"	50# 36# 24# -	218 2350 5960 3961	200 SX 650 SX 300 SX 250 SX	Circ.* 851* 2146* Circ.*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4052-4072 (SA)	9-30		
30F	441 Exxon Bowers A Fed. #4 330' FSL & 330' FEL	3646 GL	4206	4060	12 1/2" 9 5/8" 7"	50# 36# 26#	213 2350 3970	200 SX 650 SX 300 SX	Circ.* 365* 2156*	16"** 11 3/4"** 8 3/4"**	4033-4060 (SA)	8-30		
30I	431 Exxon Bowers A Fed. #5 2310' FSL & 990' FEL	3652 DF	4218	4062	12 1/2" 9 5/8" 7"	50# 36# 26#	214 2350 3975	200 SX 650 SX 300 SX	Circ.* 365* 2161*	16"** 11 3/4"** 8 3/4"**	3935-4026 (G) 4026-4062 (SA)	9-30		
29E	121 Exxon Bowers A Fed. #7 2970' FSL & 330' FWL	3665 DF	4201	4191	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 22# 11.6#	231 2339 3104 2900/4201	250 SX 650 SX 100 SX 100 SX	Circ.* 354* 2499* 2900	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4183-4189 (SA)	3-63	12-61 (Rec.)	
30O	342 Exxon Bowers A Fed. #8 440' FSL & 330' FWL	3654 DF	4237	4104	12 1/2" 9 5/8" 7"	50# 36# 26#	220 2350 3974	210 SX 650 SX 300 SX	Circ.* 355* 2160*	16"** 11 3/4"** 8 3/4"**	4069-4104 (SA)	10-30	9-73 (TA)	
29L	131 Exxon Bowers A Fed. #10 2310' FSL & 990' FWL	3649 GL	4220		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 26# -	225 2350 3976 3870/4220	250 SX 650 SX 300 SX 50 SX	Circ.* 365* 2162* 3870*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4160-4192 (SA)	10-30		
30D	341 Exxon Bowers A Fed. #36 990' FSL & 1650' FEL	3655 DF	4152	4102	9 5/8" 5 1/2" 3 1/2" Lnr.	36# 15.5, 17# -	1463 3956 3715/4350	500 SX 625 SX 125 SX	12* 677* 2330*	12 1/4" 7 7/8" 4 3/4"**	4056-4077 (SA)	3-74		
29O	111 Exxon Bowers A Fed. Com. #35 990' FNL & 330' FWL	3662 DF	4331	4250	8 5/8" 5 1/2"	24# 14#	310 1905	150 SX 300 SX	Circ. 2331*	11" 7 7/8"	4168-4250 (SA)	12-71		
29A	411 Exxon Grimes #1 990' FNL & 990' FEL	3647 GL	4250	4145	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 26# -	245 2350 4065 3941/4223	250 SX 650 SX 300 SX 30 SX	Circ. 365* 2231* 3941*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4102-4127 (G) 4154-4214 (SA)	10-30		
25I	431 Exxon New Mexico State #1 330' FEL & 2310' FSL	3649 GL	4215	4095	12 1/2" 9 5/8" 7"	50# 36# 26#	215 2350 3973	260 SX 650 SX 300 SX	Circ.* 365* 2163*	16"** 11 3/4"** 8 3/4"**	3937-4095 (G)	10-30		
25O	341 Exxon New Mexico State #5 660' FSL & 1650' FEL	3667 DF	4220	4220	8 5/8" 5 1/2"	29, 32# 15.5#	1639 4220	900 SX 1100 SX	Circ. 1620	11" 7 7/8"	4095-4210 (G)	12-53		
25K	231 Exxon New Mexico State #6 2310' FSL & 2310' FWL	3670 DF	4253	4145	8 5/8" 5 1/2"	24# 14#	1800 4252	1000 SX 1250 SX	Circ. Circ.	11" 6 3/4"	4090-4156 (G)	3-55		
25P	441 Exxon New Mexico State #7 330' FEL & 990' FSL	3667 DF	4188	4139	8 5/8" 5 1/2"	24# 14#	344 4187	225 SX 1450 SX	Circ.* Circ.*	11" 6 3/4"	4024-4137 (G)	4-55		
25J	331 Exxon New Mexico State #8 1980' FNL & 1650' FSL	3668 DF	4110	4108	8 5/8" 5 1/2"	24# 14#	365 4110	200 SX 1500 SX	Circ.* Circ.*	11"** 7 7/8"	4022-4098 (G)	2-58		
25N	241 Exxon New Mexico State #9 2310' FNL & 990' FSL	3672 GL	4240	4139	8 5/8" 5 1/2"	24# 17#	350 4240	225 SX 1700 SX	Circ.* Circ.*	11" 7 7/8"	4160-4238 (G)	7-58		
29I	431 Getty Grimes #3 2310' FSL & 330' FEL	3653 GL	4234		15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# 15.5#	228 2720 3900 3209/4229	200 SX 600 SX 300 SX 120 SX	Circ.* 928* [illegible] 3209*	18"** 12 1/4"** [illegible] 6 1/4"**	4155-4225 (SA)	10-30	10-48 (Rec.)	
29M	421 Getty Grimes #4 2310' FNL & 330' FEL	3647 GL	4236		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 26# -	220 2720 3880 3796/4236	200 SX 600 SX 300 SX 50 SX	Circ.* 518* 2066* 3196*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4160-4232 (SA)	12-30	8-69 (Rec.)	
19G	321 Getty Hardin #1 2310' FNL & 2310' FEL	3662 GL	4260	4246	15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# -	219 2760 3952 3809/4244	200 SX 600 SX 300 SX 100 SX	Circ.* 1018* 2138* 3809*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4180-4260 (SA)	9-30	9-72 (Rec.)	Casing leak in 7" 5-58
19H	421 Getty Hardin #2 2310' FNL & 1305' FEL	3665 GL	4240	4135	12 1/2" 9 5/8" 7"	50# 36# 26#	217 2743 3948	200 SX 600 SX 300 SX	Circ.* 541* 2134*	16"** 11 3/4"** 8 3/4"**	3948-4135 (G)	11-30		Casing leak in 7" 8-70
19B	311 Getty Hardin #3 1309' FNL & 2310' FEL	3667 GL	4222	4097	12 1/2" 9 5/8" 7"	50# 36# 26#	217 2750 3952	200 SX 600 SX 300 SX	Circ.* 548* 2138*	16"** 11 3/4"** 8 3/4"**	3952-4086 (G) 4086-4097 (SA)	11-30		

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Sacks of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
19A	411 Getty Hardin #4 1300' FNL & 1300' FEL	3662 DF	4342	4335	12 1/2" 7" 4 1/2" Lnr.	50# 36# -	226 3966 3867/4342	200 SX 700 SX 100 SX	Circ.* Circ.* 3867*	18 1/4" 8 3/4"** 6 1/4"**	3911-4108 (G) 4128-4306 (SA)	2-33	
30G	321 Getty McKinley #1 2310' FNL & 2310' FEL	3654 GL	4100		12 1/2" 9 5/8" 7" 5"	50# 36# 24# -	245 2755 3854 4200	200 SX 600 SX 250 SX 405 SX	Circ.* 553* 2342* Circ.	16"** 11 3/4"** 8 3/4"** 7"**	4030-4060 (G) 4130-4170 (SA)	7-30	7-54 (Rec.)
30I	421 Getty McKinley #2 2310' FNL & 990' FEL	3648 GL	4202		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 13#	251 2756 3858 4202	200 SX 600 SX 250 SX 450 SX	Circ.* 554* Circ. Circ.	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4114-4150 (SA)	7-30	5-57 (Rec.)
30B	311 Getty McKinley #4 330' FNL & 2310' FEL	3658 DF	4219		12 1/2" 9 5/8" 7"	50# 36# 24#	245 2753 3998	200 SX 600 SX 250 SX	Circ.* 551* 2486*	16"** 11 3/4"** 8 3/4"**	3998-4040 (G) 4040-4219 (SA)	8-30	
30A	411 Getty McKinley #5 330' FNL & 330' FEL	3659 DF	4223	4124	12 1/2" 9 5/8" 6 5/8"	50# 40# 24#	247 2756 4042	250 SX 600 SX 250 SX	Circ.* 554* 2318*	16"** 11 3/4"** 8 1/4"**	4042-4102 (G) 4102-4124 (SA)	12-32	
30A	412 Getty McKinley #11 760' FNL & 550' FEL	3659 DF	7108	7065	13 3/8" 9 5/8" 7"	- 40# 23, 26#	329 3848 7106	400 SX 1200 SX 865 SX	Circ.* 365* 1875*	17 1/2" 12 1/4" 8 3/4"	4009-4083 (G)	1-70	5-72 (Rec.)
14M	421 Getty State B #1 2310' FNL & 330' FEL	3681 DF	4368	4180	10 3/4" 7 5/8" 5 1/2"	40# 26.4# 17#	221 1734 4019	225 SX 500 SX 125 SX	Circ.* Circ.* 1655*	13 1/2"** 9 5/8"** 6 1/4"**	4019-4180 (G)	1-36	
14G	321 Getty State B #2 2310' FNL & 1650' FEL	3698 DF	4275	4270	9 5/8" 5 1/2"	25.4# 15.5#	334 4274	325 SX 600 SX	Circ. 2595	11" 7 7/8"	4208-4232 (G)	12-59	
31F	221 Getty Fowler #2 2200' FNL & 2310' FWL	3646 GL	4215		12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	208 2796 3964 4215	300 SX 400 SX 450 SX 325 SX	Circ.* 1328* 1263* 363*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4104-4120 (G) 4128-4140 (SA)	11-30	
26A	411 Getty Hobbs E #1 330' FNL & 330' FEL	3679 DF	4276		8 5/8" 5 1/2"	24# 15#	393 4256	200 SX 400 SX	Circ. 2157*	11" 7 7/8*	4163-4199 (G) 4214-4276 (SA)	10-56	
20D	111 Getty McKinley #1 330' FNL & 330' FWL	3662 DF	4365		12 1/2" 9" 7" 5" 3 1/2" Lnr.	50# 36# 24# - -	213 2796 4040 4238 3977/4364	200 SX 500 SX 200 SX 395 SX 50 SX	Circ.* 1335* 2831* Circ. 3977*	16"** 11 3/4"** 8 3/4"** 6 1/4"** 4 3/4"**	4266-4270 (SA)	10-32	
17M	141 Getty State A #1 660' FSL & 330' FWL	3664 DF	4260	4198	12 1/2" 7"	50# 24#	212 4056	175 SX 400 SX	Circ.* 1637*	16"** 8 3/4"**	4056-4198 (G)	3-33	
34F	221 Getty Turner #1 1980' FNL & 1680' FWL	3637 GL	4222		12 1/2" 9 5/8" 7" 5 1/2"	50# 34# 24# 15.5#	220 2780 3974 4221	200 SX 700 SX 300 SX 340 SX	Circ.* 1000 1823* Circ.	16"** 11 3/4"** 8 1/2"** 6 1/4"**	4102-4157 (SA)	9-32	
34C	211 Getty Turner #2 660' FNL & 1630' FWL	3642 GL	4213		12 1/2" 7" 5 1/2"	50# 24# 15.5#	240 4012 4211	175 SX 400 SX 340 SX	Circ.* 1593* Circ.	16"** 8 3/4"** 6 1/4"**	4168-4202 (SA)	7-34	
31C	211 Getty Fowler #1 440' FNL & 2310' FWL	3651 DF	4215	4200	12 1/2" 9 5/8" 7" 5"	50# 36# 24# -	266 2750 3973 4210	185 SX 400 SX 450 SX 100 SX	Circ.* 1282* 1252* 3025*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4196 (SA)		
24H	422 Gulf Graham State A #1 2310' FNL & 330' FEL	3671 DF	4225		13 3/8" 9 5/8" 6 5/8"	54# 36# 24#	217 2806 4085	200 SX 600 SX 375 SX	Circ.* 1769* 1499*	16" 13 3/4" 8 1/4"	4085-4225 (SA)	9-30	
24A	412 Gulf Graham State A #2 330' FNL & 330' FEL	3673 DF	4217	4090	13 3/8" 9 5/8" 7"	54.5# 36# 24#	229 2790 3975	200 SX 600 SX 250 SX	Circ.* 1048* 2463*	17"** 12 1/4"** 8 3/4"**	3975-4062 (G) 4062-4090 (SA)	8-32	7-61 (TA)
24G	321 Gulf Graham State A #3 2310' FNL & 2310' FEL	3671 DF	4219		13 3/8" 9 5/8" 7"	54.5# 36# 24#	292 2746 3930	415 SX 350 SX 200 SX	Circ.* 1730* 2721*	17"** 12 1/4"** 8 3/4"**	3930-4056 (G) 4056-4219 (SA)		
24B	311 Gulf Graham State A #4 660' FNL & 1980' FEL	3676 DF	4290		13" 9 5/8" 6 1/4"	40# 36# 24#	281 1588 3976	225 SX 400 SX 320 SX	Circ.* 427* 2071*	16"** 12 1/4"** 8"**	4147-4290 (SA)	8-35	

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Sxs. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date	
24N	421 Gulf Graham State A #5 1980' FNL & 760' FEL	3558 GL	6107	5120	13 3/8" 8 5/8" 5 1/2"	48# 24, 32# 15.5#	408 3903 6106	400 SX 500 SX 385 SX	Circ. 2115* 4220	17 1/2" 11" 7 7/8"	4224-4262 (C)	4-69		
24A	611 Gulf Graham State A #6 990' FNL & 990' FEL	3676 DF	4283	4263	8 5/8" 5 1/2"	24# 15.5, 17#	312 4283	210 SX 265 SX	Circ. 2440	12 1/4" 7 7/8"	4258-4260 (SA)	7-70		
32F	221 Gulf Grimes A #2 1650' FNL & 2310' FWL	3654 GL	4155		12 1/2" 9 5/8" 7"	50# 36# 24#	207 2732 3943	- - -	- - -	16"** 11 3/4"** 8 3/4"**	3943-3972 (C) 3972-4155 (SA)	8-30		
32C	211 Gulf Grimes A #7 990' FNL & 2310' FWL	3638 GL	4153		13 3/8" 9 5/8" 7"	54.5# 36# 24#	216 2739 3850	230 SX 600 SX 300 SX	Circ.* 997* 2048*	17"** 12 1/4"** 8 3/4"**	3966-4153 (SA)	4-31		
32E	112 Gulf Grimes A #8 1370' FNL & 330' FWL	3642 DF	4199		15 1/2" 9 5/8" 7"	70# 36# 24#	245 2757 3954	200 350 200	Circ.* 1741* 2145*	18"** 12 1/4"** 8 3/4"**	3954-4017 (C) 4017-4199 (SA)	6-34		Casing leaks in 4-54
32D	111 Gulf Grimes A #10 660' FNL & 660' FWL	3646 GL	4250	4239	9 5/8" 7" 4 1/2"	36# 23# 11.6#	306 3120 4249	175 SX 600 SX 110 SX	Circ. 1520(TS) 3130(TS)	12 1/4" 8 3/4" 6 3/4"	4188-4213 (SA)	12-47	6-71 (Rec.)	
32E	121 Gulf Grimes A #19 1730' FNL & 330' FWL	3647 DF	6051	5685	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	342 3811 6050	300 SX 500 SX 455 SX	Circ.* 2023* 3663*	17"** 11"** 7 7/8"**	4158-4230 (SA)	5-69	2-75 (Rec.)	
32K	231 Gulf Grimes A No. 2 #3 2310' FSL & 2310' FWL	3632 GL	4230	4230	15 1/2" 9 5/8" 7" 4 1/2" Lnr.	70# 36# 24# 9.5#	207 2738 3946 3701/4194	200 SX 400 SX 300 SX 90 SX	Circ.* 996* 2132* 3701*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4109-4230 (SA)	8-30		
32M	141 Gulf Grimes A No. 2 #5 330' FSL & 330' FWL	3637 DF	4192		13 3/8" 9 5/8" 7" 5 1/2" Lnr.	- 36# 24# -	251 2792 3908 3840/4192	- - - -	- - - -	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4158-4175 (SA)	9-30		
32L	131 Gulf Grimes A No. 2 #9 2310' FSL & 330' FWL	3639 GL	4250	4250	13 3/8" 9 5/8" 7" 4 1/2" Lnr.	54# 36# 24# 9.5#	212 2740 3966 3813/4250	200 SX 350 SX 150 SX 65 SX	Circ.* 1724* 3059* 3813*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4219-4237 (SA)	9-34	11-72 (Rec.)	
32N	241 Gulf Grimes A No. 2 #15 990' FSL & 2310' FWL	3638 GL	4110	4110	13 3/8" 7"	48# 23#	328 4094	325 SX 1300 SX	Circ.* Circ.*	17"** 8 3/4"**	4094-4105 (SA)	5-49		
32K	232 Gulf Grimes A. No. 2 #20 1980' FSL & 330' FWL	3628 GL	6020	4201	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	383 3829 6019	325 SX 500 SX 500 SX	Circ.* 2041* 3685(TS)	17 1/2"** 11"** 7 7/8"**	4100-4210 (SA)	4-69	3-76 (Rec.)	
33I	431 Gulf Grimes B #1 1920' FSL & 860' FEL	3640 DF	4190	4131	13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54# 36# 24# 15.5#	231 2741 3940 3908/4190	200 SX 600 SX 225 SX 40 SX	Circ.* 999* 2579* 3908*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4086-4109 (SA)	11-31	8-71 (Rec.)	
33H	421 Gulf Grimes B #2 1980' FNL & 860' FEL	3642 DF	4166		13 3/8" 9 5/8" 6 5/8" 5 1/2"	54# 36# 24# 14#	221 2761 3959 3911/4166	175 SX 500 SX 250 SX 40 SX	Circ.* 1310* 2684* 3911*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4100-4163 (SA)	10-32		
33B	311 Gulf Grimes B #3 330' FNL & 2310' FEL	3652 GL	4221		13 3/8" 9 5/8" 7" 5 1/2"	54.5# 36# 23# -	292 2746 3910 4086	200 SX 350 SX 250 SX 75 SX	Circ.* 1730* [illegible] 2667*	17"** 12 1/4"** [illegible] 6 1/4"**	4086-4221 (SA)	8-34		
33A	411 Gulf Grimes B #4 660' FNL & 660' FEL	3642 GL	4175		13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54.5# 36# 24# 14# FJ	285 2739 3970 3919/4175	200 SX 350 SX 150 SX 40 SX	Circ.* 1723* 3063* 3919*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4077-4175 (SA)	11-34	5-56 (Rec.)	
21H	141 Gulf Grimes C #1 330' FSL & 330' FWL	3650 GL	4219	4182	13 3/8" 8 1/4"	54.5# 32#	270 4067	200 SX 650 SX	Circ.* 2097*	17"** 11"**	4067-4164 (C) 4164-4182 (SA)	1-35		
21N	241 Gulf Grimes C #2 1330' FSL & 1650' FWL	3646 GL	4225	4210	13" 7" 5 1/2"	48# 26# -	281 4109 4221	225 SX 1300 SX 250 SX	Circ.* Circ.* Circ.*	16"** 8 3/4"** 6 1/4"**	4176-4203 (SA)	10-35		

N. Hobbs (G/SA) Unit Well No.

Sec., Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Sacks of Cmt.	Type	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
21L	131 Gulf Grimes C #3 1650' FSL & 330' FWL	3657 DF	4235		13" 7"	48# 24#	295 4106	250 SX 1300 SX	Circ.* Circ.*	16"** 8 3/4"**	4106-4205 (G) 4205-4235 (SA)	12-35	
18O	142 Gulf Hardin #1 330' FSL & 2310' FEL	3668 DF	4221	4052	13 3/8" 9 5/8" 7" 5 1/2" Lnr.	54.5# 36# 24# 15.5#	226 2816 4024 3935/4221	180 SX 500 SX 250 SX 80 SX	Circ.* 1363* 2512* 3935*	17"** 12 1/4"** 8 3/4"** 6 1/4"**	4005-4052 (G)	11-32	3-67 (TA)
18P	461 Gulf Hardin #2 330' FSL & 990' FEL	3665 DF	4253		13 3/8" 8 5/8"	54.5# 32#	218 4022	200 SX 500 SX	Circ.* 2234*	17"** 11"**	4022-4110 (G) 4110-4253 (SA)	2-33	
15I	431 Gulf Hardin #3 1980' FSL & 660' FEL	3671 DF	4200		8 5/8" 5 1/2"	24# 14#	426 4199	325 SX 1800 SX	Circ.* Circ.*	11" 7 7/8"	4094-4146 (G)	9-57	
15J	321 Gulf Hardin #4 1980' FNL & 1980' FEL	3670 DF	4170	4165	8 5/8" 4 1/2"	24# 9.5#	433 4168	350 SX 1400 SX	Circ.* Circ.*	12 1/4" 7 7/8"	4064-4112 (G)	3-59	
15J	331 Gulf Hardin #5 1980' FSL & 1980' FEL	3675 DF	4170	4165	8 5/8" 4 1/2"	24# 9.5#	320 4170	310 SX 1027 SX	Circ. 1719	12 1/4" 7 7/8"	4052-4103 (G)	5-59	
15H	421 Gulf Hardin #6 1880' FNL & 660' FEL	3673 DF	4133	4132	8 5/8" 4 1/2"	24# 9.5#	305 4177	300 SX 350 SX	Circ. 2799	12 1/4" 6 3/4"	4139-4168 (G)	9-59	
15B	311 Gulf Hardin #7 990' FNL & 2310' FEL	3680 DF	4200	4194	8 5/8" 4 1/2"	24# 9.5#	322 4200	200 SX 373 SX	Circ. 3318	12 1/4" 7 7/8"	4165-4186 (G)	9-60	
15A	411 Gulf Hardin #8 990' FNL & 990' FEL	3681 DF	4270	4251	8 5/8" 4 1/2"	24# 9.5#	315 4270	175 SX 305 SX	Circ.* 2262*	12 1/2" 6 3/4"	4226-4246 (G)	5-62	
15O	341 Gulf Hardin #9 580' FSL & 2310' FEL	3672 DF	4340	4207	8 5/8" 5 1/2"	24# 14#	295 4339	215 SX 285 SX	Circ. 2525	11" 7 7/8"	3999-4040 (G)	8-71	
36C	211 Gulf Holt (NCT-D) #1 330' FNL & 2310' FWL	3670 GL	4215		8 5/8" 5 1/2"	24# 14#	434 4275	325 SX 400 SX	Circ.* 2223*	11" 7 7/8"	4242-4272 (G)	6-57	1-75 (TA)
14H	241 Gulf Lea Fo State #1 660' FSL & 2310' FWL	3697 DF	4300	4230	8 5/8" 5 1/2"	24# 14#	425 4299	300 SX 2000 SX	Circ.* Circ.*	11" 7 7/8"	4148-4220 (G)	5-58	
30K	231 Marathon State 30 #1 2310' FSL & 2310' FWL	3662 DF	4209	4198	20" 9 5/8" 7" 5"	90# 40# 24# 15#	215 2750 3930 4200	35 SX 400 SX 550 SX 60 SX	63* 1589* 604* 3190	22"** 12 1/4"** 8 3/4"** 6 1/4"**	4134-4160 (G)	7-30	1-59 (Rec.)
30N	241 Marathon State 30 #2 440' FSL & 2310' FWL	3669 DF	4291	4190	12 1/2" 9 5/8" 7" 5"	50# 40# 24# -	296 2750 3900 4167	275 SX 550 SX 275 SX 60 SX	Circ. 1154* 2237* 3656*	16"** 12 1/4"** 8 3/4"** 6 1/4"**	4167-4190 (G)	9-30	
30L	131 Marathon State 30 #3 2310' FSL & 330' FWL	3665 DF	4213	4098	12 1/2" 9 5/8" 7" 5" Lnr.	50# 40# 24# 15#	243 2751 3900 4207	225 SX 550 SX 350 SX 50 SX	Circ.* 733* 1783* 3760	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4053-4077 (G)	10-30	9-72 (Rec.)
30H	141 Marathon State 30 #9 990' FSL & 990' FWL	3663 DF	4273	4227	10 3/4" 5 1/2"	32.75# 15.5#	368 4273	200 SX 3000 SX	Circ. Circ.	13 3/4" 8 3/4"	4084-4115 (G)	10-55	
32P	441 Marathon State 32 #2 660' FSL & 660' FEL	3634 GL	4244		12 1/2" 9 5/8" 7" 5"	50# 40# 24# 15#	188 2150 3931 4234	125 SX 400 SX 250 SX 60 SX	Circ.* 1282* 2459* 3500	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4234-4244 (SA)	8-30	
32I	431 Marathon State 32 #3 330' FEL & 2310' FSL	3643 GL	4245	4233	12 1/2" 9 5/8" 7" 5"	50# 40# 24# 15#	205 2750 3968 4244	225 SX 475 SX 350 SX 65 SX	Circ.* 1007* 1851* 3378*	16"** 11 3/4"** 8 3/4"** 6 1/8"	4190-4220 (G)	8-30	
32J	331 Marathon State 32 #4 2310' FSL & 2310' FEL	3642 GL	4247	4243	15 1/2" 9 5/8" 7" 5"	70# 40# 24# -	300 2350 3940 4247	250 SX 300 SX 350 SX 75 SX	Circ.* 915* 1823* 3358*	18"** 11 3/4"** 8 3/4"** 6 1/4"**	4184-4224 (SA)	9-30	6-75 (TA)

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
32O	341 Marathon State 32 #5 330' FSL & 2310' FEL	3636 GL	4236	4234	16" 9 5/8" 7" 5"	65.3# 40# 24# 15#	221 2350 3923 4235	250 SX 556 SX 225 SX 120 SX	Circ.* 1136* 2564* 2813*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4200-4230 (SA)	10-30	
34H	421 Moran Hobbs #1 2485' FNL & 1284' FEL	3630 GL	4303	4264	8 5/8" 4 1/2"	24# 11.6#	372 4303	250 SX 500 SX	Circ. 2620(TS)	12 1/4" 7 7/8"	4236-4250 (G)	1-62	
17E	121 Moran State T 17 #1 2310' FNL & 330' FWL	3670 DF	4236	4234	8 5/8" 4 1/2"	24# 11.6#	256 4236	200 SX 544 SX	Circ.* 2065*	12 1/4" 7 7/8"	4182-4216 (G)	12-61	
23E	121 C&C Shipp A #1 1650' FNL & 990' FWL	3691 DF	4308	4248	8 5/8" 5 1/2"	24# 14#	321 4248	175 SX 425 SX	Circ. 2710	11 1/4" 7 7/8"	4065-4308 (G)	12-59	
31D	111 Sun Fowler #1 440' FNL & 330' FEL	3651 DF	4224		- - 7"	- - 24#	- - 3966	- - 425 SX	- - 1396*	- - 8 3/4"**	3964-4132 (G) 4132-4224 (SA)	10-30	
31E	121 Sun Fowler #4 1980' FNL & 990' FWL	3655 DF	4189		9 5/8" 7"	36# 23#	1620 4075	800 SX 400 SX	Circ. 2608	12 1/4" 8 3/4"	4075-4189 (G)	4-49	
28G	321 Samedan Moon A #1 2310' FNL & 2310' FEL	3647 DF	4200	4200	12 1/2" 7"	50# 24#	2591 4000	150 SX 500 SX	2323* 976*	16"** 8 3/4"**	4000-4126 (G) 4126-4200 (SA)	2-35	
28B	111 Samedan Moon A #2 1315' FNL & 330' FWL	3650 DF	4217	4217	12 1/2" 7"	50# 22#	235 4103	150 500 SX	Circ.* 1079*	16"** 8 3/4"**	4103-4162 (G) 4162-4217 (SA)	7-35	
28H	421 Samedan Moon B #1 2310' FNL & 1120' FEL	3648 GL	4216	4216	12 1/2" 7"	50# 22#	235 4020	150 SX 500 SX	Circ.* 996*	16"** 8 3/4"**	4020-4160 (G) 4160-4216 (SA)	5-35	
28A	411 Samedan Moon B #2 330' FNL & 1120' FEL	3645 GL	4225	4225	12 1/2" 7"	50# 22#	227 4113	160 SX 750 SX	Circ.* Circ.*	16"** 8 3/4"**	4133-4175 (G) 4175-4225 (SA)	4-36	
25F	221 Samedan State B #1 1980' FNL & 2310' FWL		4143	4153	12 1/2" 7"	50# 22#	205 4039	175 SX 500 SX	Circ.* 1015*	16"** 8 3/4"**	4039-4153 (G)	11-37	
25E	121 Samedan State B #2 1650' FNL & 990' FWL	3667	4282		8 5/8" 5 1/2"	24# 14#	287 4260	250 SX 250 SX	Circ. 2930	12 1/4" 7 7/8"	4160-4236 (G)	1-58	
24N	141 Samedan State C #1 330' FSL & 2310' FWL	3675 DF	4188		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 13#	215 2840 3930 3865/4188	150 SX 425 SX 150 SX 39 SX	Circ.* 2198* 3023* 3865*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4155-4165 (SA)	2-35	
24K	231 Samedan State C #2 1980' FSL & 1980' FWL	3679 DF	4171		12 1/2 9 5/8" 7" 5" Lnr.	50# 36# 24# 13#	199 2823 3966 3917/4171	150 SX 200 SX 150 SX 50 SX	Circ.* 2089* 3059* 3917*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4140-4150 (SA)	6-34	
24L	131 Samedan State C #3 2310' FSL & 1315' FWL	3679 DF	4200		12 1/2" 7" 5" Lnr.	50# 22# 13#	219 4002 3942/4200	150 SX 500 SX 40 SX	Circ.* 220* 3942*	17 1/2" 8 5/8" 6 1/4"**	4135-4145 (SA)	6-35	
24M	141 Samedan State C #4 1315' FSL & 1315' FWL	3674 DF	4218		12 1/2" 7" 5" Lnr.	50# 22# 13#	211 4035 3962/4218	175 SX 800 SX 36 SX	Circ.* Circ.* 3962*	16"** 8 3/4"** 6 1/4"**	4190-4200 (SA)	10-35	
34J	331 Samedan Turner A #1 1980' FSL & 2310' FEL	3630 GL	4215		12 1/2" 7" 5"	50# 22# 13#	254 4055 4214	200 SX 500 SX 370 SX	Circ.* 1031* Circ.*	16"** 8 3/4"** 6 1/4"**	4136-4144 (SA) 4176-9266198-4202 below pkr.; not producing	3-35	
34O	341 Samedan Turner A #2 1320' FSL & 2310' FEL	3620 GL	4204		12 1/2" 7" 5"	50# 22# 13#	254 4066 4194	150 SX 500 SX 370 SX	Circ.* 1042* Circ.*	16"** 8 3/4"** 6 1/4"**	4136-4141 (SA)	5-35	
34I	431 Samedan Turner B #1 1640' FSL & 1190' FEL	3630 GL	4241		12 1/2" 7"	45# 22#	200 4063	200 SX 800 SX	Circ.* 1008*	17 1/2" 9 5/8"	4063-4216 (G) 4216-4241 (SA)	3-38	
34P	441 Samedan Turner B #2 400' FSL & 1190' FEL	3620 GL	4233		9 5/8" 5 1/2"	36# 14#	190 4150	102 SX 350 SX	Circ.* 2890*	12" 8 3/4"	4150-4204 (G) 4204-4233 (SA)	5-44	

*Calculated
**Estimate

PROPOSED NORTH HOBBS
(GRAYBURG - SAN ANDRES)
UNIT WELLS

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
31P	441 Shell Berry #1 330' FSL & 330' FEL	3635 GL	4220	4211	12 1/2" 9" 6 5/8" 5" Lnr.	50# 36# 26# 11.5#	242 2800 3975 3930/4219	200 SX 600 SX 200 SX 100 SX	Circ.* 1047* 2596* 3930*	16"** 11 3/4"** 8 1/4"** 6 1/4"**	4122-4211 (SA)	9-30	8-46 (Rec.)
31J	331 Shell Berry #2 2200' FSL & 2310' FEL	3642 GL	4210	4207	12 1/2" 9 5/8" 7"	50# 36# 24#	238 2800 3961	200 SX 600 SX 225 SX	Circ.* 598* 2580*	16"** 11 3/4"** 8 3/4"**	3941-4100 (G) 4100-4207 (SA)	11-30	
31I	431 Shell Berry #3 2970' FNL & 330' FEL	3641 GL	4225		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	253 2766 3962 3923/4224	150 SX 150 SX 250 SX 100 SX	98* 2216* 2450* 3923*	18" 11 3/4"** 8 3/4"** 6 1/4"**	4159-4214 (SA)	7-34	
31O	341 Shell Berry #6 1315' FSL & 1325' FEL	3640 GL	4229	4224	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	251 1526 3980 3880/4229	150 SX 200 SX 250 SX 100 SX	53* 792* 2469* 4229*	17" 11 3/4"** 8 3/4"** 6 1/4"**	4161-4224 (SA)	8-46	
28M	141 Shell Grimes #1 330' FSL & 330' FWL	3647 GL	4232		12 1/2" 9 5/8" 7" 5"	50# 36# 24# 15#	236 2750 3960 4228	200 SX 600 SX 225 SX 125 SX	Circ.* 548* 2599* 2746*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4125-4225 (SA)	9-30	
28L	131 Shell Grimes #2 2310' FSL & 330' FWL	3649 GL	4234	4232	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	238 2751 3933 3932/4233	200 SX 600 SX 225 SX 100 SX	Circ.* 549* 3612* 3932*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4190-4230 (SA)	9-30	1-46 (Rec.)
28K	231 Shell Grimes #3 1325' FSL & 1325' FWL	3651 GL	4231	4228	15 1/2" 9 5/8" 7" 5 1/2" Lnr.	70# 36# 24# 15.5#	246 2750 3955 3918/4230	150 SX 150 SX 250 SX 100 SX	Circ.* 2315 2443* 3918*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4150-4223 (SA)	11-33	
28N	241 Shell Grimes #4 330' FSL & 2310' FWL	3646 GL	4230	4225	12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	256 2770 3935 4229	150 SX 150 SX 250 SX 100 SX	Circ.* 2220* 2423* 2338*	16" 11 3/4"** 8 3/4"** 6 1/4"**	4004-4010 (SA)	9-34	
28L	132 Shell Grimes #10 1880' FSL & 750' FWL	3658 DF	7150	5810	13 3/4" 9 5/8" 7" Lnr.	68# 36# 23#	352 3816 3611/7143	200 SX 1400 SX 685 SX	Circ. Circ.* 3611	17 1/2" 12 1/4" 8 3/4"	4210-4264 (SA)	10-69	
19M	141 Shell McKinley A #1 330' FSL & 330' FWL	3663 DF	4248	4244	12 1/2" 9" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	218 2783 3880 3810/4247	300 SX 500 SX 500 SX 100 SX	Circ.* 1322* 856* 3810*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4144-4240 (SA)	6-30	
19O	341 Shell McKinley A #2 2310' FEL & 330' FSL	3659 DF	4246		12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	236 2750 3975 3937/4245	200 SX 600 SX 225 SX 100 SX	Circ.* 548* 2614* 3937*	16"** 11 3/4"** 8 3/4"** 6 1/4"	4183-4218 (SA)	7-30	
19B	441 Shell McKinley A #3 330' FSL & 330' FEL	3657 DF	4242	4240	15 1/2" 9" 6 5/8" 5" Lnr.	70# 34, 40# 24# 13#	221 2775 3982 3949/4241	200 SX 600 SX 200 SX 100 SX	Circ.* 1022* 2603* 3949*	18"** 11 3/4"** 8 1/4"** 6 1/4"**	4185-4236 (SA)	12-32	9-46 (Rec.)
19N	241 Shell McKinley A #4 330' FSL & 2310' FWL	3661 DF	4247	4244	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	246 2750 3975 3936/4246	200 SX 600 SX 225 SX 100 SX	Circ.* 548* 2614* 3936*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4144-4239 (SA)	9-30	
19J	331 Shell McKinley A #5 2310' FSL & 2310' FEL	3661 DF	4256	4250	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	253 2750 3975 3923/4235	200 SX 600 SX 225 SX 23 SX	Circ.* 548* 2614* 3923*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4148-4220 (SA)	9-30	
19K	231 Shell McKinley A #6 2310' FSL & 2310' FWL	3663 DF	4247	4244	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	239 2750 3975 3931/4246	200 SX 600 SX 155 SX 100 SX	Circ.* 548* 2704* 3931*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4130-4235 (SA)	9-30	
19L	131 Shell McKinley A #7 2310' FSL & 330' FWL	3667 DF	4247		12 1/2" 9 5/8" 7" 5 1/2"	50# 36# 24# 15.5#	240 2774 3980 4247	300 SX 600 SX 225 SX 150 SX	Circ.* 572* 2619* 1410*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4106-4242 (SA)	9-30	
19I	431 Shell McKinley A #10 1650' FSL & 990' FEL	3663 DF	4286	4251	7 5/8" 4 1/2"	26.4# 10.5#	277 4285	200 SX 435 SX	Circ. Circ.	12 1/4" 6 1/4"	4197-4238 (SA)	7-62	

*Calculated
**Estimate

PROPOSED NORTH HOBBS
(GRAYBURG - SAN ANDRES)
UNIT WELLS

N. Hobbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
19N	242 Shell McKinley A #11 420' FSL & 1980' FWL	3666 DF	7105	4934	13 3/8" 9 5/8" 5 1/2" Lnr.	48# 36# 15.5#	360 3796 3537/7103	360 SX 500 SX 950 SX	Circ. Circ. 3684*	17 1/2" 12 1/4 8 3/4"	4192-4197 (SA)	5-70	
20K	231 Shell McKinley B #1 2310' FSL & 1320' FWL	3657 DF	4210	4124	12 1/2" 9 5/8" 7"	50# 36# 24#	242 2810 4023	200 SX 600 SX 200 SX	Circ.* 608* 2816*	16"** 11 3/4"** 8 3/4"**	4025-4151 (G) 4157-4210 (SA)	10-30	3-65 (TA)
20N	241 Shell McKinley B #2 330' FSL & 2310' FWL	3651 GL	4330	4283	12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	241 2655 3985 3805/4327	200 SX 600 SX 225 SX 100 SX	Circ.* 653* 2624* 3805*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4237-4266 (SA)	10-30	4-73 (Rec.)
20M	141 Shell McKinley B #3 330' FSL & 330' FWL	3653 DF	4252		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	223 2797 3980 3929/4228	200 SX 600 SX 200 SX 44 SX	Circ.* 595* 2771* 3929*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4210-4252 (SA)	11-32	
20K	232 Shell McKinley B #4 1325' FSL & 1325' FWL	3656 DF	4330	4280	15 1/2" 9 5/8" 7" 5" Lnr.	70# 36# 24# 15#	243 1615 4089 3853/4329	850 SX 75 SX 250 SX 55 SX	Circ.* 839* 2517* 3853*	18"** 12 1/4"** 8 3/4"** 6 1/4"**	4230-4252 (SA)	7-33	
20L	131 Shell McKinley B #5 1650' FSL & 330' FWL	3662 DF	4276	4269	8 5/8" 5 1/2"	24# 15.5#	292 4266	300 SX 600 SX	Circ. 4226	12 1/4" 7 7/8"	4227-4254 (SA)	7-69	
19P	441 Shell Rice #1 330' FSL & 330' FEL	3673 DF	4258	4253	12 1/2" 9" 7" 5 1/2" Lnr.	50# 34# 24# 15.5#	228 2786 3920 3844/4257	200 SX 600 SX 250 SX 100 SX	Circ. 1199* 1473* 3942	18" 12" 8 1/8" 6 1/4"	4000-4046 (G) 4207-4243 (SA)	9-32	
19O	341 Shell Rice #2 660' FSL & 1980' FEL	3678 DF	4263	4259	12 1/2" 9 5/8" 7" 5" Lnr.	40# 36# 24# 15#	245 1612 3960 3745/4262	150 SX 200 SX 275 SX 110 SX	Circ.* 878* 2297* 3745*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4195-4247 (SA)	12-56	
19I	431 Shell Rice #3 1650' FSL & 990' FEL	3676 DF	4300	4282	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	264 1591 3960 3867/4299	220 SX 630 SX 160 SX 100 SX	Circ.* Circ.* 2992* 3867*	16" 12" 8 3/4" 6 1/4"	4223-4271 (SA)	12-35	
19J	331 Shell Rice #4 1980' FSL & 1980' FEL	3679 DF	4243	4090	8 5/8" 5 1/2"	32# 15.5#	318 4243	300 SX 1100 SX	Circ. Circ.*	12 1/4" 7 7/8"	3948-4084 (G)	7-57	
27K	141 Shell Sanger #1 287' FWL & 330' FSL	3644 GL	4229		12 1/2" 9 5/8" 7"	50# 36# 26#	275 1648 4060	250 SX 363 SX 250 SX	Circ.* 316* 2548*	16"** 11 3/4"** 8 3/4"**	4110-4135 (SA)	10-34	
27N	241 Shell Sanger #2 330' FSL & 1325' FWL	3643 GL	4228		12 1/2" 9 5/8" 7"	50# 40# 24#	230 1648 4060	350 SX 350 SX 250 SX	Circ.* 364* 2548*	17 1/2" 11 3/4"** 8 3/4"**	4060-4150 (G) 4150-4228 (SA)	2-35	
27L	131 Shell Sanger #3 1650' FSL & 412' FWL	3638 GL	4223		12 1/2" 9 5/8" 7"	50# 40.6# 28#	259 1645 4035	150 SX 200 SX 250 SX	31* 911* 2563*	16 1/2" 11 3/4"** 8 3/4"**	4075-4133 (G) 4133-4223 (SA)	6-35	
27K	121 Shell Sanger #4 2645' FSL & 412' FWL	3636 GL	4221		12 1/2" 9 5/8" 7"	50# 36# 24#	210 1705 4108	150 SX 575 SX 275 SX	Circ. Circ.* 2445*	17 1/2" 11 3/4"** 8 3/4"**	4108-4187 (G) 4187-4221 (SA)	6-36	
27P	221 Shell Sanger #5 1350' FSL & 1350' FWL	3639 GL	4233		13" 9 5/8" 7"	48# 36# 24#	274 1718 4093	150 SX 450 SX 250 SX	92* 412* 2581*	17 1/2" 12 1/4" 8 3/4"	4093-4209 (G) 4209-4239 (SA)	7-37	
27O	111 Shell Sanger #6 1200' FNL & 670' FWL	3641 GL	4360		8 5/8" 5 1/2"	24# 15.5#	343 4222	275 SX 450 SX	Circ. 1861*	12 1/4" 7 7/8"	4222-4260 (G) 4260-4360 (SA)	2-70	
32G	321 Shell State A #2 1650' FNL & 2310' FEL	3628 GL	4185	3048	12 1/2" 9" 6 5/8"	50# 34# 24#	230 2759 3950	Unknown Unknown Unknown	- - -	16"** 11 3/4"** 8 1/4"**	3950-3955 (G) 3955-4185 (SA)	8-30	
32H	421 Shell State A #3 2310' FNL & 330' FEL	3636 GL	4215	4210	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	245 2755 3950 3916/4215	200 SX 600 SX 225 SX 125 SX	Circ.* 553* 2589* 3916*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4212-4218 (SA)	8-30	12-45 (Rec.)

N. M.-Obbs (G/SA) Unit Well No.

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
32G	322 Shell State A #4 2310' FNL & 2310' FEL	3697 GL	4251	4187	12 1/2" 8 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	240 2750 3910 3911/4217	200 SX 600 SX 225 SX 94 SX	Circ.* 548* 2599* 3911*	16" 11 3/4"** 8 3/4"** 6 1/4"**	4054-4078 (SA)	9-30	12-65 (Rec.)
33G	111 Shell State B #1 330' FNL & 330' FWL	3651 GL	4236	4230	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	249 2750 3968 3923/4236	200 SX 600 SX 225 SX 90 SX	Circ.* 548* 2607* 3923*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4186-4201 (SA)	9-30	
33C	111 Shell State B #2 330' FNL & 2310' FWL	3663 GL	4233	4225	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	296 2760 3930 3887/4226	150 SX 150 SX 250 SX 100 SX	284 2210* 2418* 3888*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4122-4222 (SA)	6-34	
24F	221 Shell State D #1 2310' FNL & 2310' FWL	3673 DF	4260	4223	12 1/2" 9 5/8" 7" 5 1/2" Lnr.	50# 36# 24# 15.5#	225 2802 4030 3953/4259	150 SX 150 SX 250 SX 100 SX	Circ.* 2252* 2518* 3953*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4123-4220 (SA)	10-34	
24C	211 Shell State D #2 660' FNL & 1980' FWL	3675 DF	4260		12 1/2" 9 5/8" 7" 5" Lnr.	50# 36# 24# 15#	257 1599 4010 3957/4260	150 SX 200 SX 250 SX 100 SX	Circ.* 865* 2498* 3952*	16"** 11 3/4"** 8 3/4"** 6 1/4"**	4099-4101 (SA) 4101	3-35	
23G	321 Shell State F #2 1650' FNL & 1650' FEL	3688 DF	4263	4162	8 5/8" 5 1/2"	32# 15.5#	309 4265	300 SX 1355 SX	Circ. Circ.	12 1/4" 7 7/8"	4101-4158 (G)	7-57	
23B	311 Shell State F #3 330' FNL & 1650' FEL	3686 DF	4126	4124	8 5/8" 5 1/2"	32# 15.5#	300 4126	300 SX 730 SX	Circ.* 296*	11"** 7 7/8"**	3932-4119 (G)	8-57	
34G	321 Shell Turner #1 330' FSL & 330' FWL	3635 GL	4220		12 1/2" 8 5/8" 6 5/8"	50# 32# 24#	276 1633 4065	150 SX 250 SX 250 SX	Circ.* 783* 2341*	16" 11"** 8 1/4"**	4065-4140 (G) 4140-4220 (SA)	4-35	
34B	311 Shell Turner #2 1605' FSL & 330' FWL	3641 GL	4241		12 1/2" 9 5/8" 7"	50# 36# 24#	242 1700 4134	150 SX 625 SX 300 SX	Circ.* Circ.* 2320*	16" 11 3/4"** 8 3/4"**	4134-4241 (SA)	9-35	
20J	331 Hill Sweet Bowers B #2A 1650' FSL & 2010' FEL	3654 GL	4202		8 5/8" 5 1/2"	40# 15.5#	252 4130	150 SX 600 SX	Circ. 982*	11"** 7 7/8"**	4198-4202 (SA)	3-54	
20I	431 C. M. Sweet Crimes #2A 1650' FSL & 660' FEL	3644	4253	4246	8 5/8" 5 1/2"	15.5# 17#	305 4252	150 SX 300 SX	Circ. 986*	11" 6 3/4"	4202-4255 (SA)	6-52	8-75 (TA)
20I	432 C. M. Sweet Crimes #3A 1650' FSL & 990' FEL	3655 GL	4210	4206	10 3/4" 7"	40# 23#	247 4050	150 SX 600 SX	Circ. 2533	15" 9 5/8"	4050-4210 (G)	1-54	1-75 (TA)
20H	421 C. M. Sweet McKinley B #2 2310' FNL & 990' FEL	3654 GL	4414		8 5/8" 5 1/2"	28# 15.5#	302 4278	150 SX 200 SX	Circ. 3952	11" 6 3/4"	4252-4256 (SA)	5-52	
21A	411 C. M. Sweet State F #1A 330' FNL & 330' FEL	3686 DF	4115	4073	8 5/8" 5 1/2"	23.7# 15.5#	334 3915	125 SX 35 SX	Circ. 3406	11" 6 3/4"	3915-4073 (G)	6-51	8-63 (TA)
21H	421 C. M. Sweet State F #2A 1650' FNL & 330' FEL	3685 DF	4158		8 5/8" 5 1/2"	23.7# 15.5#	334 3997	125 SX 175 SX	Circ.* 2367*	11" 6 3/4"	4000-4165 (G) 4145-4158 (SA)	7-51	
21I	431 C. M. Sweet State F #3 2310' FSL & 330' FEL	3681 DF	4191		8 5/8" 5 1/2"	24.7# 15.5#	252 3993	125 SX 300 SX	Circ. 1922*	12" 7 3/8"	3993-4152 (G) 4152-4191 (SA)	1-53	
20A	412 C. M. Sweet State F #4 990' FNL & 660' FEL	3688 DF	4204		8 5/8" 5 1/2"	- -	260 3990	125 SX 250 SX	Circ.* 2678*	11"** 7 7/8"**	3990-4142 (G) 4142-4204 (SA)	8-55	
25A	411 Texaco New Mexico St. C #1 330' FNL & 330' FEL	3670 DF	4259	4250	12 1/2" 8 1/4" 6 1/4" 4 1/2" Lnr.	50# 32# 26# 11.6#	220 2750 3969 3869/4257	200 SX 600 SX 200 SX 50 SX	Circ.* 1362* 2463* 4168	16"** 11 3/4"** 7 5/8"** 5 3/4"	4180-4223 (SA)	8-30	
25H	422 Texaco New Mexico St. C #2 2310' FNL & 330' FEL	3671 DF	4210	4074	12 1/2" 9" 7"	50# 36# 24#	220 2763 3932	175 SX 600 SX 200 SX	Circ.* 1010* 2498*	16"** 11 3/4"** 8 1/2"**	3932-4074 (G)	9-30	
25G	321 Texaco New Mexico St. C #3 1980' FNL & 1980' FEL	3670 DF	4268		12 1/2" 9" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	222 2750 3937 3803/4267	200 SX 600 SX 200 SX 75 SX	Circ.* 997* 2593* 3803*	16"** 11 3/4"** 8 1/2"** 6 1/4"**	3988-4066 (G)		

N. Hobbs (G/SA) Unit Well No.

Sec, Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Size	Wt.	Casing Setting Depth	Sxs. of Cmt.	Cmt	Hole Size	Producing Interval	Completion Date	Recompletion/ Temp. Abandoned Date
25B	311 Texaco New Mexico St. C #4 330' FNL & 1980' FEL	3672 DF	4252	4122	12 1/2" 9" 7"	50# 36# 26#	220 2354 3932	200 SX 600 SX 200 SX	Circ.* 1001* 2183*	16"** 11 3/4"** 8 1/4"**	3937-4076 (G)	3-33	
24P	441 Texas Pac. State C #1 330' FSL & 330' FEL	3668 DF	4214		20" 12" 9" 7"	94# 50# 36# 26#	105 1521 2815 3880	125 SX 300 SX 700 SX 200 SX	Circ.* Circ. 770* 2131*	22"** 15 1/2"** 11 3/4"** 8 1/4"**	3865-4048 (G) 4048-4214 (SA)	3-30	
24I	431 Texas Pac. State C #2 990' FSL & 330' FEL	3670 DF	4218		12 1/2" 9" 7"	50# 36# 26#	221 2782 3951	180 SX 510 SX 250 SX	Circ.* 1292* 2439*	15 1/2"** 11 3/4"** 8 3/4"**	3750-4045 (G) 4045-4218 (SA)	11-30	
24J	331 Texas Pac. State C #3 1320' FSL & 1325' FEL	3670 DF	4227		12 1/2" 9" 7"	50# 36# 26#	215 2810 3878	200 SX 400 SX 300 SX	Circ.* 1342* 2064*	16"** 11 3/4"** 8 3/4"**	3878-4060 (G) 4060-4227 (SA)	6-32	
24C	341 Texas Pac. State C #4 330' FSL & 990' FEL	3669 DF	4225		12 1/2" 9" 7"	50# 36# 26#	208 2810 3896	200 SX 400 SX 300 SX	Circ.* 1642* 2067*	16"** 11 3/4"** 8 3/4"**	3886-4042 (G) 4092-4213 (SA)	5-33	
14I	431 Texas Pac. State V #1 1650' FSL & 330' FEL	3690 DF	4162	4159	8 5/8" 5 1/2"	28# 14#	314 4162	300 SX 300 SX	Circ. 2558	12 1/4" 7 7/8"	4012-4134 (G)	1-58	
14J	331 Texas Pac. State V #2 1650' FSL & 1650' FEL	3691 DF	4325		8 5/8" 5 1/2"	28# 14#	328 4324	325 SX 300 SX	Circ.* 2750*	12 1/4" 7 7/8"	4108-4246 (G)	3-58	
23C	211 Texas Pac. State V #3 330' FNL & 2310' FWL	3689 DF	4296	4286	8 5/8" 5 1/2"	28# 14#	320 4296	325 SX 300 SX	Circ. 2905	12 1/4" 7 7/8"	4032-4212 (G)	2-59	
23F	221 Texas Pac. State V #4 1650' FNL & 2310' FWL	3689 DF	4306		8 5/8" 5 1/2"	28# 14#	332 4314	450 SX 300 SX	Circ.* 2740	12 1/4" 7 7/8"	4092-4236 (G)	3-59	
23K	231 Texas Pac. State V #5 2310' FSL & 2310' FWL	3690 DF	4330	4300	8 5/8" 5 1/2"	24# 15.5#	310 4330	350 SX 300 SX	Circ. 2630	12" 7 7/8"	4146-4256 (G)	6-59	
23N	241 Texas Pac. State V #6 990' FSL & 2310' FWL	3686 DF	4390	4380	8 5/8" 5 1/2"	24# 15.5#	339 4389	350 SX 300 SX	Circ.* 2815*	11" 7 7/8"	4119-4162 (G)	8-59	
21O	341 Wiser Morris A #1 330' FSL & 2310' FEL	3649 DF	4238		12 1/2" 7" 4 1/2"	50# 24# 9.5#	252 4066 4002	200 SX 468 SX 400 SX	Circ.* 1236* Circ.	16" 8 3/4" 6 1/4"**	4066-4202 (G) 4202-4238 (SA)	3-36	
21P	441 Wiser Morris B #1 230' FSL & 1090' FEL	3647 DF	4244		10 3/4" 7" 4 1/2"	36# 24# 9.5#	2259 4097 4072	125 SX 400 SX 400 SX	Circ.* 2014* Circ.	13 1/2"** 9"** 6 1/4"**	4080-4218 (G) 4218-4244 (SA)	11-37	
26B	311 Wiser State L #1 330' FNL & 1900' FEL	3685 DF	4329	4310	8 5/8" 4 1/2"	24# 11.6#	353 4329	225 SX 425 SX	Circ. 2770	12 1/4" 7 7/8"	4220-4284 (G)	10-75	
23P	441 Yates Shell State #1 330' FEL & 990' FSL	3681 DF	4225		8 5/8" 5 1/2"	24# 15.5#	311 4225	160 SX 1300 SX	Circ.* Circ.*	11"** 7 7/8"**	4124-4168 (G) 4204-4226 (SA)	1-56	
23J	331 Yates Shell State #2 1650' FEL & 2310' FSL	3687 DF	4283	4210	8 5/8" 5 1/2"	24# 14#	344 4282	160 SX 1200 SX	Circ.* Circ.*	11"** 7 7/8"**	4148-4194 (G) 4216-4258 (SA)	4-56	
23O	341 Yates Shell State #3 1650' FEL & 990' FSL	3683	4302		8 5/8" 5 1/2"	- -	352 4302	160 SX 750 SX	Circ. 3671*	12 1/2" 7 7/8"	4144-4228 (G)	5-56	
14P	441 Estes (Yeager) State #1 660' FSL & 660' FEL	3690	4150	4132	8 5/8" 4 1/2"	24# 40#	350 4149	275 SX 350 SX	Circ. 2790	12 1/4" 7 7/8"	4030-4126 (G)	6-75	

ACTIVE WELLS COMPLETED BELOW
THE HOBBS NORTH UNIT PRODUCING HORIZON

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	Casing TOC	Hole Size	Producing Interval	Completion Date	Recompletion Date
32B	Amerada Hess - "A" State #6 660' FNL & 2130' FEL	3654' GL	6000	5990	11 3/4" 8 5/8" 5 1/2" Lnr.	31# 24# 15.5#	330 3810 3695/5938	300 SX 590 SX 325 SX	Circ.* 1700* 3695	15" 11" 7 7/8"	5912-5966 (Blinebry)	04-69	
32A	Amerada Hess - "A" State #5 660' FNL & 660' FEL	3660' DF	8044	6954	11 3/4" 8 5/8" 5 1/2" & 7" Lnr.	31# 32# 23, 15.5#	381 3793 3701/6938	730 SX 390 SX 351 SX	Circ.* 2404* 3701*	15" 11" 7 7/8"	5905-5957 (Blinebry) 6674-6936 (Drinkard)	07-69	
29P	Pototoc - "B" Hobbs St. #1 2130 FNL & 1650 FWL	3655' DF	7075	7061	9 5/8" 7" 4 1/2"	36# 23# 9.5#	358 3850 7075	200 SX 250 SX 425 SX	Circ.* 2104* 5225*	12 1/4"** 8 1/2"** 6 1/4"**	6705-7030 (Drinkard)	01-71	
29G	Pototoc - "B" Hobbs St. #2 2310' FNL & 1650' FEL	3654' DF	7050	7032	12 3/4" 8 5/8" 5 1/2"	50# 24# 15.5#	356 3795 7050	400 SX 300 SX 475 SX	Circ.* 2123* 4614*	15"** 11"** 7 7/8"**	6680-6992 (Drinkard)	10-70	
33E	Amoco - "G" State #5 1980' FNL & 660' FWL	3657' KB	7040		13 3/8" 9 5/8" 7"	48# 36# 26#	425 3955 7040	400 SX 550 SX 700 SX	Circ.* 2340* 2820*	17 1/2" 12 1/4" 8 5/8"	5856-5961 (Blinebry) 6829-6933 (Drinkard)	10-69	09-71
33F	Amoco - "G" State #6 1980' FNL & 1650 FWL	3660' DF	6009'	5972'	11 3/4" 8 5/8" 5 1/2"	42# 32# 14#	420 3752 6009	540 SX 370 SX 400 SX	Circ. 2430* 3910*	17 1/2" 11" 7 7/8"	5930-5962 (Blinebry)		
29O	Chevron - "A" State #5 330' FSL & 2218' FEL	3653' DF	7025		11 3/4" 8 5/8" 5 1/2" Lnr.	42# 32# 20#	364 3808 3578/7022	370 SX 300 SX 530 SX	Circ. 2736* 4302*	15" 11" 7 7/8"	5918-5968 (Blinebry) 6648-6730 (Drinkard)	07-69	
29P	Chevron - "A" State #6 330' FSL & 660' FEL	3646' GL	7015	6511	13 3/8" 9 5/8" 5 1/2" Lnr.	48# 36# 17#	378 3000 2549/7012	400 SX 600 SX 700 SX	Circ.* 1236* 3420*	17 1/2" 12 1/4" 8 3/4"	5882-5939 (Blinebry)	10-69	
29N	Continental - "A-29" State #7 660' FSL & 1850' FWL	3653' DF	6050		11 3/4" 8 5/8" 5 1/2"	42# 24# 15.5#	360 3800 6050	250 SX 240 SX 405 SX	Circ.* 2942* 3972*	15" 11" 7 7/8"	5823-5941 (Blinebry)	02-69	
29K	Continental - "A-29" State #8 2150' FSL & 1800' FWL	3655' DF	5960		11 3/4" 8 5/8" 5 1/2"	42# 32# 17#	360 3800 5960	250 SX 240 SX 405 SX	Circ.* 2942* 3882	15" 11" 7 7/8"	5796-5926 (Blinebry)	04-69	
33L	Continental - "A-33" State #12 2175' FSL & 625' FWL	3649' DF	7018		13 3/8" 9 5/8" 7"	48# 36# 23#	422 3750 7018	375 SX 325 SX 525 SX	Circ.* 2794* 3854*	17 1/2" 12 1/4" 8 3/4"	6668-6943 (Drinkard)	09-69	
30I	Exxon - "A" Bowers #1 1980' FSL & 660' FEL	3657' DF	6000		12 1/2" 9 5/8" 7" 4 1/2"	- - - -	205 2750 5962 6000	180 SX 620 SX 328 SX 275 SX	Circ.* 928* 778* 3606*	17" 11 1/2" 8 3/4" 6 1/4"	5812-5922 (Blinebry)	11-41	04-69 04-71
30P	Exxon - "A" Bowers #30 330' FSL & 660' FEL	3652' DF	6000		11 3/4" 8 5/8" 4 1/2"	31# 24# 9.5#	362 3850 6000	300 SX 500 SX 550 SX	Circ.* 2062* 1210*	15"** 11"** 6 1/4"**	5849-5966 (Blinebry)	06-69	
29M	Exxon - USA Bowers #28 660' FSL & 990' FWL	3650' DF	6000	5958	11 3/4" 8 5/8" 5 1/2"	42# 32# 15.5#	373 3849 5989	300 SX 500 SX 450 SX	Circ.* 2061* 3681*	15" 11" 7 7/8"	5856-5928 (Blinebry)	04-69	
29L	Exxon - USA Bowers #29 2150' FSL & 990' FWL	3654' DF	6000		11 3/4" 8 5/8" 4 1/2"	42# 32# 9.5#	369 3850 6000	300 SX 500 SX 450 SX	Circ.* 2062* 2082*	15" ** 11"** 6 1/4"**	5831-5889 (Blinebry)	06-69	
29E	Exxon - USA Bowers #31 1980' FNL & 660' FWL	3656' DF	7050		11 3/4" 8 5/8" 5 1/2"	42# 32# 17#	372' 3836' 7038'	300 SX 500 SX 650 SX	Circ. 2300'(TS) 3630*	15" 11" 7 7/8"	6896-6958 (Drinkard)	07-69	
29I	Getty-Grimes #6 1879' FSL & 557' FEL	3659' DF	7050	7018	13 3/8" 9 5/8" 7"	48# 36# 23#	377 3847 7049	400 SX 2100 SX 800 SX	Circ. Circ. 2200(TS)	17 1/2" 12 1/4" 8 3/4"	5940-6858 (Drinkard)	02/01/70	
30H	Getty - McKinley #8 2310' FNL & 430' FEL	3659' DF	6059	6057	13 3/8" 8 5/8" 5 1/2"	48# 32# 17#	383 3362 6057	400 SX 1400 SX 350 SX	Circ. Circ.* 2000 (TS)	17 1/2" 11" 7 7/8"	5757-5901 (Blinebry)	06-69	
30G	Getty - McKinley #9 2235' FNL & 2310' FEL	3660' DF	7000	6970	13 3/8" 9 5/8" 7"	48# 36# 26#	378 3851 7000	400 SX 1748 SX 650 SX	Circ.* Circ.* 3082*	17 1/2" 12 1/4" 8 3/4"	5823-5908 (Blinebry) 6927-6965 (Drinkard)	10-69	
30B	Getty - McKinley #10 405' FNL & 2272' FEL	3664' DF	6050	6045	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	381 3849 6047	400 SX 1250 SX 570 SX	Circ. 600 (TS) 1500 (TS)	17 1/2" 11" 7 7/8"	5851-5951 (Blinebry)	11-69	
33H	Gulf - "B" Grimes #8 2115' FNL & 600' FEL	3645' GL	7100	6935	13 3/8" 9 5/8" 7"	48# 40# 23#	398 3960 7100	450 SX 1600 SX 470 SX	Circ. Circ. 2510 (TS)	17 1/2" 12 1/4" 8 3/4"	6554-6850 (Drinkard)	02-75	

ACTIVE WELLS COMPLETED BELOW THE HOBBS NORTH UNIT PRODUCING HORIZON

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval	Completion Date	Recompletion Date
33B	Gulf - "B" State #7 450' FNL & 2160' FEL	3645' GL	7100	6643	13 3/8" 9 5/8" 7"	48# 36# 23#	368 3859 7099	400 SX 2000 SX 485 SX	Circ. Circ. 3635 (TS)	17 1/2"** 12 1/4"** 8 3/4"**	5848-5988 (Blinebry)	03-70	
32D	Gulf - "NCT-A" Grimes #16 800' FNL & 700' FWL	3636' GL	7050	7002	9 5/8" 7"	36# 23#	1497 7039	575 SX 2925 SX	Circ. Circ.	12 1/4"** 8 3/4"	5871-6083 (Blinebry)	08-68	
32C	Gulf - "NCT-A" Grimes #17 660' FNL & 1980' FWL	3645' GL	6153	5970	13 3/8" 9 5/8" 7"	48# 36# 23#	366 3399 6149	370 SX 1450 SX 545 SX	Circ. Circ.* 2510 (TS)	17 1/2" 12 1/4" 8 3/4"	5780-5949 (Blinebry)	11-68	
32F	Gulf - "NCT-A" Grimes #18 1650' FNL & 2080' FWL	3642' GL	6020	6000	13 3/8" 8 5/8" 5 1/2"	48# 32# 15.5#	351 3799 6019	335 SX 300 SX 505 SX	Circ.* 2727* 2470 (TS)	17 1/2" 11" 7 7/8"	5772-5928 (Blinebry)	02-69	
32J	Marathon - State #9 2130' FSL & 1980' FEL	3642' GL	7000	6260	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	376 3799 3573/6998	360 SX 1140 SX 490 SX	Circ. 430 (TS) 4044*	17 1/2" 12 1/4" 8 3/4"**	5954-5968 (Blinebry)	01-70	
32G	Shell - "A" State #6 1930' FNL & 2310' FEL	3635' GL	6020	5952	13 3/8" 8 5/8" 5 1/2" Lnr.	48# 32# 15.5#	357 3820 3566/6020	350 SX 800 SX 500 SX	Circ. 2040* 3454*	17 1/2" 12 1/4" 7 7/8"**	5805-5929 (Blinebry)	04-69	
32H	Shell - "A" State #7 1930' FNL & 660' FEL	3646' DF	7020	6981	13 3/8" 8 5/8" 5 1/2" Lnr.	40# 24, 32# 15.5#	350 3790 3580/7015	350 SX 1300 SX 650 SX	Circ. 898* 3580	17 1/2" 12 1/4" 7 7/8"**	5829-5866 (Blinebry) 6659-6932 (Drinkard)	07-69	08-69
33D	Shell - "B" State #5 660' FNL & 660' FWL	3657' DF	7000	5497	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	360 3709 3597/7000	350 SX 1850 SX 688 SX	Circ. Circ.* 3597*	17 1/2"** 12 1/4"** 8 3/4"**	5854-5975 (Blinebry) 5389-5442 (Paddock)	08-69	10-74
33C	Shell - "B" State #6 660' FNL & 1980' FWL	3654' DF	7100	7062	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	350 3815 3609/7100	300 SX 1400 SX 805 SX	Circ.* Circ.* 3609*	17 1/2" 12 1/4" 8 3/4"	5948-5956 (Blinebry) 6639-6931 (Drinkard)	12-69	
28M	Shell - Grimes #9 731' FSL & 731' FWL	3657' DF	7102	7065	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	372 3787 3513/7102	350 SX 1400 SX 720 SX	Circ.* Circ.* 3513*	17 1/2"** 12 1/4"** 8 3/4"**	5892-5979 (Blinebry) 6629-6956 (Drinkard)	10-69	
28N	Shell - Grimes #11 750' FSL & 1790' FWL	3655' DF	6350	6000	13 3/8" 9 5/8" 7" Lnr.	48# 36# 23#	348 3805 3602/6350	250 SX 1400 SX 497 SX	Circ. Circ.* 3602	17 1/2" 12 1/4" 8 3/4"	5890-5967 (Blinebry)	10-69	
25P	Rice Hobbs SWD #P-25 330' FSL & 330' FEL	3661' KB	4753		12 1/2" 9 5/8" 7" 5"	50# 36# 26# 15#	209' 600/2736' 2400/4110 4753	250 SX 650 SX 350 SX 1200 SX	Circ. 340	15"** 12"** 8 3/4"** 6 1/2"**	4446-4735	12-58	03-77
29F	Rice Hobbs SWD #F-29 1880' FNL & 1742' FWL	3653.8' KB	5052		9 5/8" 7"	32.3# 20#	450' 4706'	300 SX 600 SX	Circ. 1900'. (TS)	12 1/4" 8 3/4"	4706-5052' (6 1/4" OH)	08-60	

OUTSIDE WELLS LOCATED WITHIN ONE-HALF MILE OF THE PROPOSED NORTH HOBBS UNIT BOUNDARY

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
34D	#1 660' FNL & 660' FWL	3641' DF	4246		16"	70#	224	100 SX	Circ.*	18"**	4080-4220 (G-SA)
					10 3/4"	45.5#	1647	350 SX	555*	13"**	4221-4246 (G-SA Open Hole)
					7"	24#	3976	150 SX	Circ.	8 7/8"**	
					5" Lnr.	18#	3872/4221	50 SX	3872	6 1/4"**	
34E	#2 660' FWL & 1980' FNL	3641' DF	4220		16"	70#	232	100 SX	Circ.*	18"**	4050-4218 (G-SA)
					10 3/4"	45.5#	2776	400 SX	1528*	13"**	
					8 5/8"	36#	3975	150 SX	Circ.	9 5/8"**	
					5 1/2" Lnr.	14#	3919/4220	188 SX	3919*	7 7/8"**	
					5 1/2"		Surf/3919				
34L	#3 1980' FSL & 560' FWL	3629' DF	4240		16"	70#	216	125 SX	Circ.*	18"**	4078-94 (G-SA)
					10 3/4"	45.5#	2748	400 SX	1500*	13"**	4220-40 (G-SA)
					8 5/8"	36#	3962	150 SX	Circ.	9 5/8"**	
					5 1/2" Lnr.	14#	3927/4222	75 SX	3927	7 7/8"**	
					5 1/2"		Surf/3927				
34K	#4 2004' FSL & 1740' FWL	3626' DF	4232		16"	70#	226	75 SX	42*	18"**	4045-4206 (G-SA)
					10 3/4"	40#	1637	75 SX	1403*	13"**	4211-4232 (G-SA Open Hole)
					8 5/8"	36#	3990	250 SX	1707*	9 5/8"**	
					5 1/2"	14#	4211	800 SX	740	7 3/8"	
33P	#5 660' FSL & 660' FEL	3631' DF	4241		16"	70#	209	125 SX	Circ.*	18"**	4063-4208 (G-SA)
					10 3/4"	45.5#	2752	400 SX	1504*	13"**	4220-4241 (G-SA Open Hole)
					8 5/8"	36#	3946	140 SX	1750	9 5/8"**	
					5 1/2"	14#	4220	300 SX	2543*	7 3/4"**	
34M	#6 653' FSL & 633 FWL	3622' GL	4241		16"	70#	196	75 SX	12*	18"**	4065-4207 (G-SA)
					10 3/4"	45.5#	2541	500 SX	981*	13"	4207-4241 (G-SA Open Hole)
					8 5/8"	36#	3985	250 SX	Circ.	9 5/8"	
					5 1/2" Lnr.	14#	3884/4207	750 SX	Circ.	7 7/8"**	
					5 1/2"		Surf/3884				

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
34N	#7	3613' DF	4218		16"	70#	200	75 SX	16*	18"**	4106-4190 (G-SA)
	1980' FWL & 660' FSL				10 3/4"	40#	1622	75 SX	1260*	12 1/4"	4199-4218 (G-SA Open Hole)
					8 5/8"	36#	3990	150 SX	Circ.	9 7/8"	
					5 1/2"	14#	4199	700 SX	729	7 7/8"**	
6D	#8	3643' GL	4272	4240	8 5/8"	22.7#	322	250 SX	Circ.	11"	4154-4220 (G-SA)
	330' FNL & 933' FWL				5 1/2"	14#	4272	650 SX	861*	7 7/8"	
6C	#9	3642' DF	4221	4191	15 1/2"	70#	200	175 SX	Circ.*	18"**	4062-4172 (G-SA)
	330' FNL & 2310' FWL				10 3/4"	40.5#	2777	400 SX	1777*	13 1/2"**	
					7"	24#	3926	250 SX	2414*	8 3/4"**	
					5" Lnr.	15#	3802/4221	100 SX	3802	6 1/4"**	
6B	#10	3638' DF	4108		13 3/8"	36#	362	300 SX	Circ.*	17 1/2"	3980-4074 (G-SA)
	480' FNL & 1650' FEL				5 1/2"	15.5#	4095	1250 SX	Circ.*	7 7/8"	4095-4108 (G-SA Open Hole)
6A	#11	3628' DF	4232		12 1/4"	-	214	75 SX	94*	16"**	4127-4214 (G-SA)
	330' FNL & 330' FEL				9 5/8"	-	2810	500 SX	975*	11 3/4"**	
					7"	24#	3968	300 SX	1999*	8 5/8"**	
					4 1/2" Lnr.	9.5#	3795/4232	80 SX	3795	6 1/4"**	
5D	#12	3629'DF	4201		16"	70#	185	75 SX	Circ.*	18"**	3974-4201 (G-SA Open Hole)
	330' FNL & 330' FWL				10 3/4"	45#	2782	350 SX	1907*	13 1/2"**	
					6 5/8"	26#	3974	150 SX	3209*	8 3/4"**	
					7"	20#	1700				
5C	#13	3628' DF	4230		16"	70#	162	55 SX	27*	18"**	4058-4173 (G-SA)
	330' FNL & 2360' FWL				10 3/4"	45.5#	2749	300 SX	1999*	13 1/2"**	4190-4230 (G-SA Open Hole)
					6 5/8"	26#	3920	150 SX	Circ.	8 3/4"**	
					5"	15#	4190	750 SX	Circ.*	6 1/4"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
5B	#14 2317' FEL & 334' FNL	3626' DF	4175	4172	13"	50#	201	150 SX	40*	18"	4100-4165 (G-SA)
					9 5/8"	36#	2761	500 SX	1310*	12 1/4"	
					7"	26#	3930	230 SX	Circ.	8 7/8"	
					5 1/2"	15.5#	4175	50 SX	2900	6 1/4"	
5A	#15 660' FNL & 660' FEL	3628' DF	4225		13 3/8"	50#	192	150 SX	Circ.*	18"	4030-4175 (G-SA)
					9 5/8"	36#	2746	500 SX	1295*	12 1/4"**	4175-4225 (G-SA Open Hole)
					7"	26#	3984	225 SX	2724*	8 7/8"**	
					5 1/2"	15.5#	4175	50 SX	3700	6 1/2"**	
4D	#16 660' FNL & 660' FWL	3626' DF	4225		16"	70#	251	135 SX	Circ.*	18"**	4198-4225 (G-SA Open Hole)
					9 5/8"	40#	2798	700 SX	766*	12 1/4"**	
					6 5/8"	26#	3976	200 SX	Circ.	8 3/4"**	
					5" Lnr.	18#	3886/4198	75 SX	3886*	6 1/4"**	
4C	#17 660' FNL & 1980' FWL	3629' DF	4231		16"	70#	201	125 SX	46*	19 3/4"	4212-4231 (G-SA Open Hole)
					10 3/4"	45.5#	2754	400 SX	1754*	13 1/2"**	
					8 5/8"	36#	3976	150 SX	2895*	9 7/8"**	
					5 1/2" Lnr.	17#	3900/4212	75 SX	3900*	7 3/8"**	
					5 1/2"		Surf/3900				
4B	#18 660' FNL & 1980' FEL	3626' DF	4231		16"	70#	207	125 SX	Circ.*	18"**	4068-4200 (G-SA)
					10 3/4"	45.5#	2740	400 SX	1740*	13 1/2"**	4215-4231 (G-SA Open Hole)
					8 5/8"	36#	3950	135 SX	2977*	9 7/8"**	
					5 1/2" Lnr.	14#	3882/4215	82 SX	3882*	7 7/8"	
4A	#19 660' FNL & 660' FEL	3623' DF	4233		16"	70#	211	125 SX	Circ.*	18"**	4064-4170 (G-SA)
					10 3/4"	45.5#	2752	400 SX	1752*	13 1/2"**	4200-4233 (G-SA Open Hole)
					8 5/8"	36#	3952	150 SX	2871*	9 7/8"**	
					5 1/2" Lnr.	14#	2645/4200	300 SX	2645*	7 3/8"	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
3D	#20 660' FNL & 660' FWL	3621' DF	4230		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 45.5# 36# 15.5#	203 2792 3964 3902/4204 Surf/3902	125 SX 400 SX 150 SX 75 SX	Circ.* 1792* 2883* 3902*	18"** 13 1/2"** 9 7/8"** 7 7/8"**	4070-4204 (G-SA) 4204-4230 (G-SA Open Hole)
3C	#21 663' FNL & 1935' FWL	3620' DF	4283	4281	8 5/8" 5 1/2"	24# 15.5#	303 4283	250 SX 675 SX	Circ.* 741*	12 1/4" 7 7/8"	4023-4280 (G-SA)
3C	#22 660' FNL & 1980' FWL	3615' DF	4198		16" 10 3/4" 8 5/8" 5 1/2" Lnr. 5 1/2"	70# 40# 36# 15.5#	207 1630 4003 3878/4193 Surf/3878	75 SX 75 SX 150 SX 75 SX	23* 1443* 2922* 3878*	18"** 13 1/2"** 9 7/8"** 7 7/8"**	4176-4186 (G-SA) 4193-4198 (G-SA Open Hole)
3B	#23 660' FNL & 2310' FEL	3617' DF	4240		12 1/2" 7" 5"	50# 22# 13#	208 4055 4200	150 SX 500 SX 840 SX	Circ.* 1031* Circ.*	16"** 8 3/4"** 6 1/4"	4048-4190 (G-SA) 4200-4240 (G-SA Open Hole)
3A	#24 620' FNL & 1293' FEL	3605' GL	4234	4223	9 5/8" 5 1/2" 4 1/2"	36# 14# 12.6#	194 4114 4176	175 SX 500 SX 96 SX	Circ.* 1490* Circ.	12 1/4"** 7 7/8"** 5"**	4134-4168 (G-SA) 4176-4223 (G-SA Open Hole)
6F	#25 1650' FNL & 2310' FWL	3648' KB	4322	4290	8 5/8" 5 1/2"	24# 14#	304 4322	200 SX 1780 SX	Circ. 950	11" 7 7/8"	4108-4214 (G-SA)
6H	#26 1650' FNL & 480' FEL	3641' KB	4215		10 3/4" 7" 4 1/2" Lnr.	40.5# 24# 9.5#	361 4074 3969/4199	300 SX 800 SX 50 SX	Circ.* Circ.* 3964*	13 1/2"** 8 3/4"** 6 1/4"**	4133-4180 (G-SA) 4199-4215 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
5E	#27 1980' FNL & 660' FWL	3629' KB	4312	4183	13" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 20# 9.5#	200 2792 4019 3966/4190	200 SX 500 SX 300 SX 35 SX	Circ.* 1169* 2205* 3966*	17 1/2"** 12"** 8 3/4"** 6 1/4"**	4092-4172 (G-SA)
5F	#28 1980' FNL & 1980' FWL	3624' DF	4226	4180	13" 9 5/8" 6 5/8" 4 1/2" Lnr.	50# 40# 26# 9.5#	212 2780 3950 3854/4183	150 SX 300 SX 150 SX 150 SX	30* 1806* 3185* 3854*	17 1/2"** 12"** 8 3/4"** 6 1/4"**	3966-4174 (G-SA)
5G	#29 1980' FNL & 1980' FEL	3634' KB	4220		13 3/8" 9 5/8" 7" 5 1/2"	50# 40# 26# 14#	175 2744 3932 4200	175 SX 500 SX 230 SX 50 SX	Circ. 1293* 2644* 3254*	15" 12 1/4" 8 7/8" 6 1/4"	4106-4190 (G-SA) 4200-4220 (G-SA Open Hole)
5H	#30 1980' FNL & 660' FEL	3620' DF	4175		13" 9 5/8" 7" 5 1/2"	50# 36# 26# 15.5#	192 2750 3950 4169	150 SX 500 SX 215 SX 50 SX	Circ. 1127* 2650* 3223*	17 1/2"** 12"** 8 3/4"** 6 1/4"**	4089-4162 (G-SA) 4169-4175 (G-SA Open Hole)
4E	#31 2310' FNL & 990' FWL	3612' DF	4275		13" 9 5/8" 6 5/8" 5" Lnr.	50# 45# 26# 15.5#	259 2785 3993 3947/4215	106 SX 300 SX 135 SX 75 SX	130* 1811* Circ. 3947*	17 1/2"** 12"** 8 1/4"** 6 1/4"**	3975-4207 (G-SA) 4215-4275 (G-SA Open Hole)
4F	#32 1980' FNL & 1980' FWL	3614' KB	4244	4210	13" 9 5/8" 6 5/8" 5" Lnr.	50# 45# 26# 18#	253 2772 3997 3936/4199	180 SX 300 SX 135 SX 75 SX	Circ.* 1798* 3066* 3936*	17 1/2"** 12"** 8 1/4"** 6 1/4"**	4078-4198 (G-SA) 4199-4210 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
4G	#33 2310' FNL & 1650' FEL	3623' KB	4255		16"	70#	152	360 SX	Circ.*	18"**	4006-4248 (G-SA)
					10 3/8"	45.5#	1523	75 SX	1354*	13 1/2"**	
					8 5/8"	36#	3259	60 SX	2827*	9 7/8"**	
					6 5/8"	26#	3952	50 SX	3492*	7 7/8"**	
					4 1/2" Lnr.	10.23#	3868/4254	75 SX	3460*	6"**	
4H	#34 1980' FNL & 660' FEL	3617' DF	4206		16"	70#	199	75 SX	Circ.*	18"**	4066-4203 (G-SA)
					10 3/4"	40#	1570	75 SX	1383*	13 1/2"**	
					8 5/8"	36#	3961	150 SX	2880*	9 7/8"**	
					5 1/2"	15.5#	4206	675 SX	664*	7 7/8"**	
3E	#35 1980' FNL & 660' FWL	3613' DF	4239		16"	70#	216	100 SX	Circ.*	18"**	4010-4212 (G-SA)
					10 3/4"	40#	2790	450 SX	1665*	13 1/2"**	4210-4239 (G-SA Open Hole)
					8 5/8"	36#	3990	150 SX	2909*	9 7/8"**	
					5 1/2"	14#	4210	650 SX	Circ.	7 7/8"**	
3F	#36 1980' FNL & 1980' FWL	3617' DF	4202	4197	13 3/8"	61#	214	135 SX	37*	17 1/2"**	4120-4195 (G-SA)
					9"	34#	1653	350 SX	727*	12"	
					7"	24#	4111	150 SX	2642*	8 1/8"	
					5 1/2" Lnr.	15.5#	3977/4202	50 SX	3977*	6 1/4"**	
					5 1/2"		Surf/3977				
3G	#37 1980' FNL & 2310' FEL	3615' KB	4290		12"	50#	250	175 SX	Circ.*	16"**	4067-4164 (G-SA)
					7"	22#	4147	500 SX	865*	8 5/8"**	4180-4290 (G-SA Open Hole)
					5"	13#	4180	300 SX	624*	6 1/4"**	
3H	#38 2205' FNL & 1293' FEL	3610' DF	4233		9 5/8"	36#	196	175 SX	Circ.*	12 1/4"**	4132-4233 (G-SA Open Hole)
					5 1/2"	14#	4132	500 SX	1508*	7 7/8"**	

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Amoco Production Co. South Hobbs Unit										
6G	#113 1650' FNL & 1650' FEL	3628' GL	4168	4141	8 5/8" 5 1/2" 4" Lnr.	24# 15.5# 11.34#	321 3279 3042/4112	250 SX 800 SX 130 SX	Circ.* Circ.* 627*	12 1/4"** 7 7/8"** 5"**	3988-4067 (G-SA)
33P	State "A-3" #27 760' FSL & 610' FEL	3634' GL	3220		9 5/8" 5 1/2"	32.2# 15.5#	338 3160	250 SX 700 SX	Circ.* Circ.*	12 1/4"** 7 3/8"	3160-3220 Open Hole)
4C	State "A" #11-X 810' FNL & 2030' FWL	3639' DF	8160	7370	13 3/8" 9 5/8" 5 1/2"	54.5# 32.3# 15.5#	1544 4434 7365	825 SX 815 SX 200 SX	Circ. 1789* 5188*	17 1/2" 12" 6 3/4"	3172-3224
	Moranco										
18E	Hardin B #1	3678' DF	4128		8 1/2" 5 1/2"	24,32# 14#	325 4135	200 SX 1850 SX	Circ.* Circ.*	11"** 7 7/8"**	4020-4098 (G-SA)
18F	Hardin B #2	3676' DF	4130	4074	8 5/8" 5 1/2"	24# 14#	228 4143	175 SX 250 SX	Circ.* 2831*	11"** 7 7/8"**	4018-4065' (G-SA)
18D	Hardin B #3 (Injector)				8 5/8" 4 1/2"	28# 9.5#	256 4169	200 SX 400 SX	Circ.* 2070*	11"** 7 7/8"**	4066-4146' (G-SA)
18C	Hardin B #4				8 5/8" 4 1/2"	28# 11.6#	222 4194	200 SX 400 SX	Circ.* 2095*	11"** 7 7/8"**	4087-4162 (G-SA)
13H	Rice #1 (Injector)				8 5/8" 5 1/2"	28# 14#	268 4018	200 SX 300 SX	Circ.* 2444*	11"** 7 7/8"**	4022-4135 (G-SA Open Hole)
13G	Rice #2				8 5/8" 5 1/2"	24# 14#	270 4034	200 SX 300 SX	Circ.* 2460*	11"** 7 7/8"**	4035-4141 (G-SA Open Hole)

*Calculated
**Estimate

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Producing Interval
	Moranco										
13A	Rice #3				8 5/8"	24#	296	200 SX	Circ.*	11"**	4051-4198 (G-SA Open Hole)
					5 1/2"	14#	4055	300 SX	2481*	7 7/8"**	
13B	Rice #4 (Injector)				8 5/8"	24#	299	175 SX	Circ.*	11"**	4040- (G-SA Open Hole)
					5 1/2"	15.5#	4040	250 SX	2728*	7 7/8"**	

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	PBTD	Casing Size	Casing Wt.	Casing Setting Depth	Amt. of Cmt.	Cmt. TOC	Tbg. Size	Produced Interval	Completion Date	Date of Abandonment
25F	Amerada - Hobbs State #5 2280' FNL & 1980' FWL	3655' GL	5986	P&A	9 5/8" 7" 4 1/2"	36# 23# 11.6#	364 3526 5986	200 SX 140 SX 186 SX	Circ.* 2975* 4340*	12 1/4" 8 3/4" 6 1/4"	5813-5379' (Blinebry)	01-71	05-11-73
36I	Amerada - State "D" #1 2310' FSL & 330' FEL	3654' GL	4275	P&A	7" 4 1/2"	23# 10.5, 11.6#	1555 4275	400 SX 300 SX	Circ. 2750 (TS)	8 3/4" 6 1/4"	4135-4244 (G/SA)	12-68	10-27-70
28I	Arco - Grimes #2 1650' FWL & 2350' FNL	3654' GL	4243	P&A	15 1/2" 10" 6 5/8"	70# 45# 24#	237 2702 3974	200 SX 700 SX 250 SX	Circ.* 1955* 3270*	13"** 13"** 8 1/2"**	3974-4243 (G/SA)	12-32	04-18-39
29F	Chevron - State "A" #1 992' FSL & 988' FEL	3651' GL	4090	3260	13 3/8" 9" 6 5/8"	48# 45# 26#	217 2735 3927	200 SX 500 SX 357 SX	Circ.* 1405* 1813*	16" 12" 8 1/2"**	3907-4990 (G/SA) Producing From Bowers	08-30	10-14-46
29O	Chevron - State "A" #2 990' FSL & 1650' FEL	3651' GL	4171	3060	13 3/8" 9 5/8" 7"	50# 36# 30#	242 2812 3951	150 SX 725 SX 300 SX	70* 469* 2137*	18" 12" 8 3/4"	3155-3175 (G/SA) 3951-4170 (G/SA) Producing From Bowers	09-30	1946
13K	Continental - State "B-13# 3 3300' FNL & 3300' FEL	3684' DF	4245	D&A	13" 9 5/8" 7"	50# 36# 24#	274 1622 3951	200 SX 400 SX 400 SX	Circ.* 438* 1149*	16"** 12 1/4"** 8 1/2"**	3290-3309 (Bowers) 3951-4245 (G/SA)	06-36	06-03-36
13O	Continental - State "B" - 13 #7 660' FNL & 660' FWL	3686' DF			Not drld; cancelled 11-13-57								
13O	Continental - North Hobbs Unit #1 660' FNL & 660' FWL	3686' DF	8877	D&A	13 3/8" 9 5/8"	48# 36, 40#	330 5134	375 SX 840 SX	Circ.* 2700*	17 1/2" 12 1/4"	5134-8877 (D&A)	05-60	05-26-60
14P	Estes Engr. - Stanolind St. #1-A 330' FSL & 330' FEL	3677' DF	4135	P&A	10 3/4" 7"	40.5# 20#	265 3911	200 SX 150 SX	Circ.* 3539*	15" 10 3/4"	3911-4135 (G/SA)	12-52	01-06-65
29D	Exxon - Bowers "B" Fed. #1 330' FNL & 330' FWL	3656' DF	4186	P&A	15 1/2" 9 5/8" 7"	70# 36# 26#	235 2716 3987	225 SX 650 SX 300 SX	Circ.* 850* 1840*	18"** 12 1/4"** 8 1/2"**	3987-4186 (G/SA)	11-32	12-21-71
20J	Exxon - Bowers "B" #2 330' FSL & 330' FWL	3647' DF	4247	P&A	15 1/2" 10 3/4" 7"	70# 40# 26#	225 2810 4050	225 SX 700 SX 300 SX	Circ.* 750* 1950*	18"** 13 1/2"** 8 1/2"**	4050-4247 (G/SA)	12-32	05-06-46
29A	Exxon - Grimes #2 990' FNL & 660' FWL	3644' GL	4045	D&A	8 5/8" 5 1/2"	32# 14, 17#	100 3205	150 SX 450 SX	Circ.* 765*	11" 7 7/8"	3205-4045 (Bowers G/SA)	03-17-48	03-23-48
18E	Exxon - Boon Hardin #1 990' FNL & 330' FWL	----	4720	D&A	15 1/2" 9 5/8" 7"	70# 36# 24#	222 2820 4010	225 SX 650 SX 300 SX	Circ.* 910* 1910*	18"** 12 1/4"** 8 1/2"**	4010-4720 (G/SA)	05-11-33	05-15-33
20P	C. H. Sweet- Bowers "B" Fed. #3 330' FSL & 990' FEL	3645' GL	4226	P&A	15 1/2" 9 5/8" 7"	70# 36# 24#	250 2820 4015	225 SX 650 SX 300 SX	Circ.* 910* 1915*	18"** 12 1/4"** 8 1/2"**	4015-4226 (G/SA)	02-33	09-01-49
20P	C. H. Sweet- Bowers "B" Fed. #3-A 330' FSL & 700' FEL	3647' DF	4230	P&A	10 3/4" 7"	40# 20#	258 4138	150 SX 600 SX	Circ. 522*	13 1/2"** 8 3/4"**	4138-4230 (G/SA)	02-54	08-09-60
25J	Exxon - State "A" #3 1980' FEL & 1980' FSL	3661' DF	4220	P&A	12 1/2" 9 5/8" 7"	50# 36# 26#	207 2823 4100	250 SX 650 SX 350 SX	Circ.* 907* 1660*	14"** 12 1/4"** 8 1/2"**	4100-4220 (G/SA)	11-30	02-18-47
30O	Exxon - "A" Bowers #32 330' FSL & 1980' FEL	3646' GL	7075	P&A	13 3/8" 9 5/8" 3 1/2" 3 1/2"	48# 36# 7.7# 7.7#	385 3850 6160 7053	400 SX 550 SX 395 SX	Circ.* 610* 5620*	17 1/2" 11" 8 3/4" 8 3/4"	5925-5951 (Drinkard) 6974-6982 "	10-69	09-14-72
30J	Exxon - "A" Bowers #34 1980' FSL & 2120' FEL	3650' GL	7010	P&A	13 3/8" 9 5/8" 3 1/2" 3 1/2"	48# 36# 7.7# 7.7#	401 3850 6100 7010	400 SX 550 SX 395 SX	150* 3040* 4144*	17 1/2" 12 1/4" 8 3/4" 8 3/4"	5822-5828 (Drinkard) 6718-6979	09-69	09-26-72
29E	Exxon - USA Bowers #9 2310' FNL & 990' FWL	3654' DF	4200	P&A	12 1/2" 9 5/8" 7"	50# 36# 26#	226 2736 3976	650 SX 650 SX 300 SX	Circ.* 351* 1825*	14"** 11 3/4"** 8 1/2"**	3976-4200 (G/SA) 3222-27 (Bowers/7 Riv.)	09-30	01-02-62
29D	Exxon - USA Bowers #33 800' FNL & 660' FWL	3657' DF	6000	P&A	13 3/8" 9 5/8" 7"	48# 36# 23#	416 3850 5988	400 SX 550 SX 550 SX	Circ.* 3040* 2672*	17" 12 1/4"** 8 3/4"	5915-5953 (Blinebry)	07-69	10-03-72
14P	Getty - State "B" No. 3 2310' FNL & 2310' FWL	3686' DF	4324	D&A	8 5/8" 5 1/2"	24# 15.5#	341 4324	300 SX 600 SX	Circ.* 1096*	11" 7 7/8"	4219-4232 (G/SA)	01-60	08-27-60
29K	Getty - Grimes #5 1650' FNL & 990' FEL	3647' GL	4196	P&A	12 1/2" 9 5/8" 7"	50# 36# 24#	228 2735 3880	250 SX 600 SX 400 SX	Circ. 1173* 1084*	14"** 12 1/4"** 8 1/2"**	3880-4196 (G/SA)	12-30	06-29-50
29H	Getty - Grimes #2 2310' FNL & 990' FEL	3650' GL	4175	P&A	15" 9 5/8" 7"	70# 36# 24#	230 2718 3880	200 SX 600 SX 300 SX	Circ.* 954* 1784"*	18"** 12 1/4"** 8-1/2"**	3880-4175 (G/SA)	9-30	07-03-51

Sec. Unit	Operator/Lease Name/Well No. Location	Elev.	TD	P&A/D	Casing Size	Wt.	Setting Depth	Amt. of Cmt.	TOC	Hole Size	Produced Interval	Completion Date	Date of Abandonment
29I	Getty - Grimes WD #1 1650' FSL & 990' FEL	3650' GL	4160	P&A	12 1/2" 9 5/8" 6 5/8"	50# 36# 24#	236 2712 3526	200 SX 600 SX 300 SX	Circ.* 948* 2094*	14"** 12 1/4"** 8 1/2"**	3526-4200 (G/SA)	08-30	07-25-68
21B	Gulf - Morris #1 363' FNL & 2310' FEL	---	4255	P&A	10 3/4" 7	40# 24#	249 4065	155 SX 450 SX	Circ.* 948*	12" 8 1/4"	4065-4255 (G/SA)	10-42	10-27-43
21K	Gulf - North Grimes #4 1350' FSL & 1350' FWL	3645' GL	4225	P&A	15" 7"	40# 24#	247 4126	150 SX 1300 SX	Circ.* Circ.*	18" 9 7/8"	4126-4225 (G/SA)	04-36	02-08-49
21G	Gulf - Gertrude Morris #1 1980' FNL & 1980' FEL	3640' GL	11,211	D&A	13 3/8" 9 5/8" 5 1/2" Lnr	48# 36#	255 4199 4287/6250	300 SX 2820 SX 500 SX	Circ.* Circ.* 4547*	17 1/2" 12 1/4" 7 1/2"**	3686-3855 4250-4495 (G/SA) 6153-6181	11-56	01-11-57
32C	Gulf - Grimes (NCT-A) #4 330' FNL & 2310' FWL	3640' GL	4153	P&A	15 1/2" 9 5/8" 6 5/8"	70# 36# 24#	220 2742 3931	200 SX 600 SX 400 SX	Circ. 930* 1890*	18"** 12 1/4"** 8 3/4"**	3630-3700 (G/SA)	08-30	08-21-40
30M	Marathon - St. Land Sec. 30 #4 330' FSL & 330' FWL	3662' DF	4215	P&A	16" 9 5/8" 7"	65.3# 40# 24#	260 2750 3946	225 SX 500 SX 350 SX	Circ.* 1280* 1500*	18"** 12 1/4"** 8 1/2"**	3946-4215 (G/SA) 3758-3850	11-30	01-25-57
32J	Marathon - St. Land Sec. 32 #1 2970' FNL & 1650' FEL	3636' GL	4176	P&A	12 1/2" 10 3/4" 7" 5"	50# 41# 26# 15#	1482 2776 3850 3244	175 SX 200 SX 225 SX 500 sx.	1264* 2242* 2192* 178*	17"** 13 1/2"** 8 3/4"** 6-1/4"**	3244-4176 (Bowers - G/SA) 3140-3203 (Bowers)	04-48	07-21-58
20G	Moran - SM - 20 #1 1650' FNL & 1650' FEL	3656' DF	6175	D&A	8 5/8"	24#	305	225 SX	Circ.	12 1/4"	D&A (Blinebry)	03-62	10-08-62
32G	Shell St. "A" #1 2310' FNL & 1650' FEL	3638' GL	4175	3745	12 1/2" 9" 7"	50# 35# 24#	222 2755 3850	135 SX 600 SX 200 SX	15* 1045* 3062*	16"** 10 1/2"** 8-3/8"**	3850-4175 Producing From Byers Queen Gas	06-16-30	08-20-41
19I	Shell - McKinley "A" #8 2310' FSL & 1320' FEL	3659' DF	4270	P&A	12 1/2" 9 5/8" 7" 4 1/2" Lnr.	50# 36# 24# 11.6#	235 2810 3970 3850/4237	300 SX 600 SX 225 SX 70 SX	Circ.* 1046* 2398* 3699*	17"** 12 1/4"** 8 1/2"** 6"**	3970-4210 (G/SA) 4237-4270 (G/SA) 3740-3841	09-30	04-17-63
19J	Shell - McKinley "A" - 19 #1 2310' FSL & 1650' FEL	3655' DF	9550	D&A	13 3/8" 9 5/8"	48# 36, 40#	551 4498	350 SX 2500 SX	Circ.* Circ.*	17" 12 1/4"	4498-9550 3260-3301 (Bowers)	D&A 08-26-62	02-19-63
17D	Shell - State "NC" #1 990' FNL & 330' FWL	3667' DF	4360	D&A	7 5/8" 4 1/2"	24# 11.6#	266 4360	230 SX 350 SX	Circ. 2074*	9 7/8" 6 3/4"	-	01-62	03-30-62
14P	Shell - State "K" #1 5620' FNL & 330' FEL	3686' DF	4180	P&A	12 1/2" 9 5/8" 7"	50# 36# 24#	229 1612 4014	150 SX 650 SX 280 SX	45* Circ.* 2326*	17" 12" 8 3/4"	4014-4180 (G/SA)	01-36	12-21-38
23A	Shell - State "B" #1 660' FNL & 330' FEL	3633' DF	4350	P&A	9 5/8" 4 1/2"	36# 9.5#	1552 4059	525 sx 130 SX	Circ.* 3249*	11" 6 3/4"	4099-4122 (G/SA) 3300-3350 (Bowers) 2745-2860	09-48	10-15-52
27O	Shell - Sanger #1 (King) 4637' FNL & 2638' FEL	3699' GL	4286	P&A	8 5/8" 5 1/2"	32# 14, 17#	246 4069	200 SX 350 SX	Circ.* 2173*	11" 7 7/8"	4069-4286 (G/SA)	01-48	01-14-48
20G	Sun - McKinley "B" #1 330' FSL & 330' FWL	3651' GL	8010	D&A	13" 7" 5, 5 1/2"	50# 26# 15.5# 13	253 4135 7543	150 SX 875 SX 350 SX	Circ.* 1130* 4489*	16"** 9 7/8" 6 1/4"	7543-8010	01-47	02-15-47
20G	Sun - McKinley "B" #1-A 2310' FNL & 1980' FEL	3655' GL	4270	P&A	10 3/4" 7" 5"	40.5# 20# 15.5#	278 4100 4050/4270	125 SX 350 SX 50 SX	Circ.* 1985* 4050*	13" 8 3/4" 6 1/4"	4147-90 (G)	03-52	
21E	Antwell - Morris #1 2310' FNL & 330' FWL	3457' DF	4294	D&A	10 3/4" 7"	40# 20#	283 4100	150 SX 150 SX	55* 3196*	15" 8 3/4"	4100-4294 (G/SA)	09-52	11-01-52
26D	Cactus Drlg. - Pan Am. St. #1 355' FNL & 990' FWL	3688' DF	4359	D&A	13 3/8" 5 1/2"	- 15.5#	310 3869	150 SX 150 SX	96* 3099*	17 1/4" 7 7/8"	3869-4359 3785-3807 3450-3595	05-57	08-57
12P	R. D. Collier - Pan Am. #1 660' FSL & 650' FEL	3680' DF	4368	D&A	10 3/4" 5 1/2"	24# 17#	260 4368	100 SX 300 SX	Circ. 2828*	15"** 7 7/8"	4291-4350 (G/SA)	01-30-58	06-13-58
70	Landreth Prod. - State #1-A 440' FSL & 2200' FEL	3674' DF	4520	P&A	20"- 12 1/2" 10" 7"	90# 50# 40# 24#	120 1727 3080 4133	Information not available				08-30	08-07-31
35K	Hobbs High Inc. - H.B. Tatums #1 990' FSL & 330' FWL	3610' DF	4100	D&A	12 1/2" 8" 6"		280 1600 4100	Information not available					05-36
23I	L. H. Sweat - Grimes #1	3647' GL	4244	P&A	12 1/2" 7"	50# 24#	232 4015	150 SX 550 SX	48* 699*	17"** 8 3/4"**	4015-4244 (G/SA)	11-34	11-20-52
26B	Viser - Gulf St. #1 330' FNL & 1650' FEL	3676' DF	4263	P&A	8 5/8" 4 1/2"	24# 11.6#	320 4263	200 SX 240 SX	Circ.* 3321*	11" 7 7/8"	4000-4256 (G/SA)	11-59	06-18-65

EXHIBIT 31

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5563 Exhibit No. 31
Submitted by Shell
Hearing Date 10-3-79

WR-0198 A

COMPLETION DATE 1/71 — AMERADA HOBBS STATE NO. 5 — COMPLETION INTERNAL: P&A

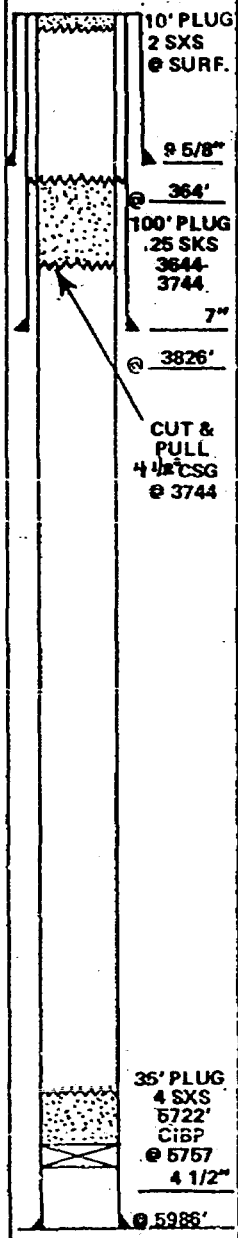
P&A DATE 5/11/73 — NORTH HOBBS (G/SA) UNIT

LOCATION 2280' FNL & 1980' FWL SECTION 29 BLOCK F

SURVEY T-18-S, R-38-E COUNTY Lea, County, New Mexico

DATUM [ ] G.L. ELEV. 3655 TD 5986 PBTD PA [ ]

T.D. 5986'



PBTD

OPT

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	36	364	200	*Circ	12 1/4"
7"	23	3826	140	*2975	8 3/4"
4 1/2"	11.6	5986	186	*4340	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	Blnbry	5813-5879	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

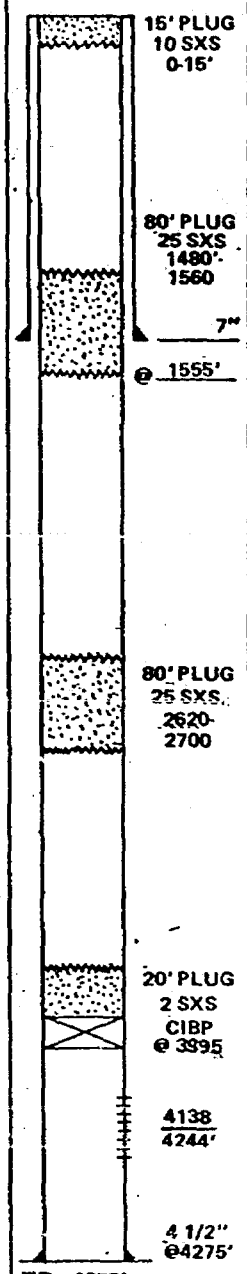
COMPLETION DATE 12-19-68 — AMERADA 'D' STATE NO. 1 — COMPLETION INTERNAL: 4138-4244(I)

RECOMPLETION DATE 10-27-70 (P&A) — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 330' FEL — SECTION 36I — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM [ ] G.L. ELEV. 3654' — TD 4275' — PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
7"	23#	1555	400	Circ.	8 3/4"
4 1/2"	10.5	4275	300	2750	6 1/4"
	11.6			(T.S)	

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1625	
T.Salt	1725	
Yates	2730	
GU	4137	-482
GL	4254	-599
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/68	I	4138-4244	18 Holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/68	I	1000 gal. AT; 20x10 frac.			32BO, 14BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: P&A: CIBP @ 3995' w/20' cmt. on top; 25 sx cmt. from 2620-2700', 25 sx cmt. from 1480-1560'; 10 sx cmt. 0-15 w/reg. marker. Hole laden w/mud laden fluid.

DATE: 8-23-78 KL

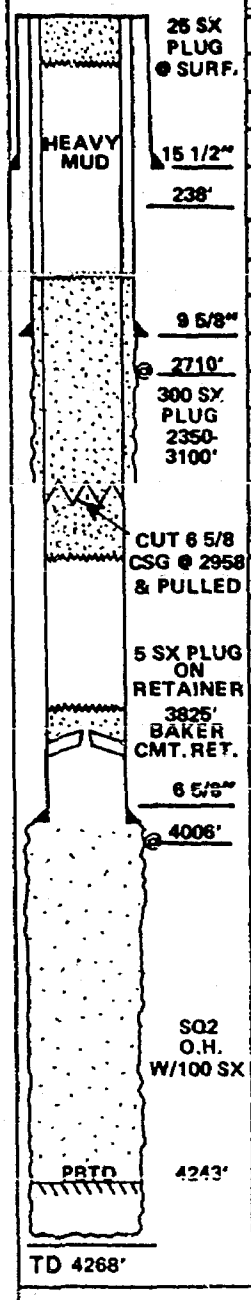
COMPLETION DATE 12-1-32 — ATLANTIC GRIMES NO. 2 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 4-18-59 (P&A) — HOBBS (G-SA) UNIT

LOCATION 1650' FWL & 2350' FNL — SECTION 28 F — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3654' [GL] G.L. ELEV. _____ — TD 4243' — PBTD P&A [ ]



**Estimate CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	233	200	Circ.*	18"**
10"	45#	2702	700	1945*	13"**
6 5/8"	24#	3974	250	3270*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
CU	3999	-348e
GL	4086	-435e
I	4094	-443e
II	4152	-501e
III	4211	-560e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE • NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
		3974-4243'	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
	4243-68	PB w/10 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
12/33		1000 gal.	AT		
7/34		1000 gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: Tested for csg. leaks 9-9-53 - no leaks. See attached for P&A info.

DATE: 8-22-78 KLL

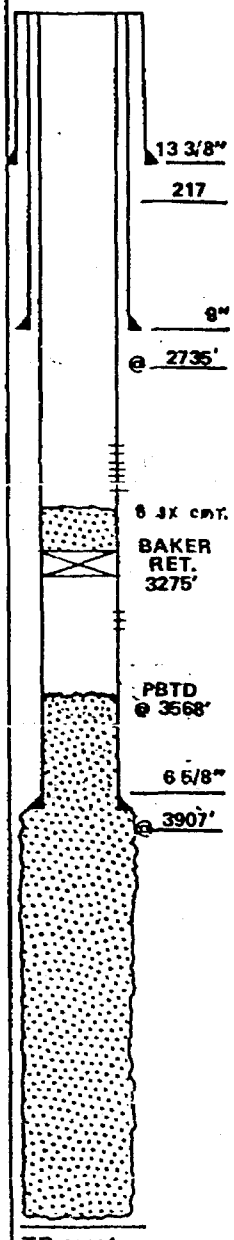
COMPLETION DATE 8-30 — CHEVRON STATE "A" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10-14-46 — HOBBS (G-SA) UNIT

LOCATION 992' FSL & 988' FEL — SECTION 29 P — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3651' [GL] G.L. ELEV. _____ — TD 4090 — PBTD 3260' [P&A]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	217	200	Circ.*	16"
9"	45#	2735	500	1405*	12"
6 5/8"	26#	3907	357	1813*	8 1/2"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3869e	-218
GL	3966e	-315
I	3981e	-330
II	4049e	-398
IIIU	4111e	-460
IIIL	4213e	-562
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G/SA	3907-4090	
		3150-70	
		3190-3241	
		*3287-91	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

6-13-79 JBK

COMPLETION DATE 9-30
RECOMPLETION DATE 1946 (P&A)

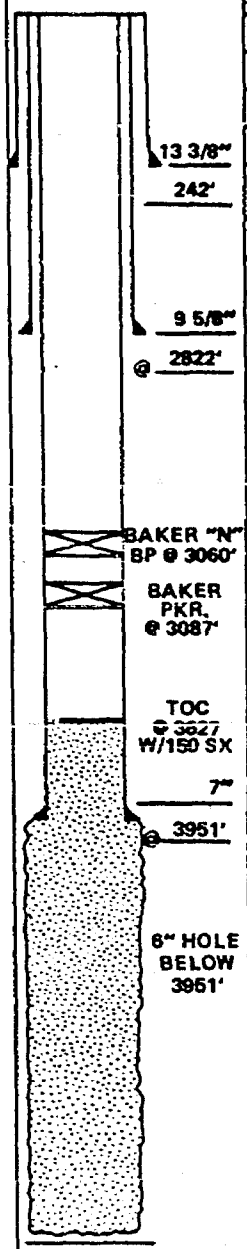
CHEVRON STATE "A" No. 2
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: _____

LOCATION 990' FSL & 1650' FEL SECTION 29 O BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3651' TD 4171' PBTD 3060' [BP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	50#	242	150 sx	70*	18"
9 5/8"	36#	2822	725 sx	469*	12"
7"	30#	3951	300 sx	2137*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9-30	G-SA	*3951-4171	OH
		*3155-3175	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 1/79 KLL

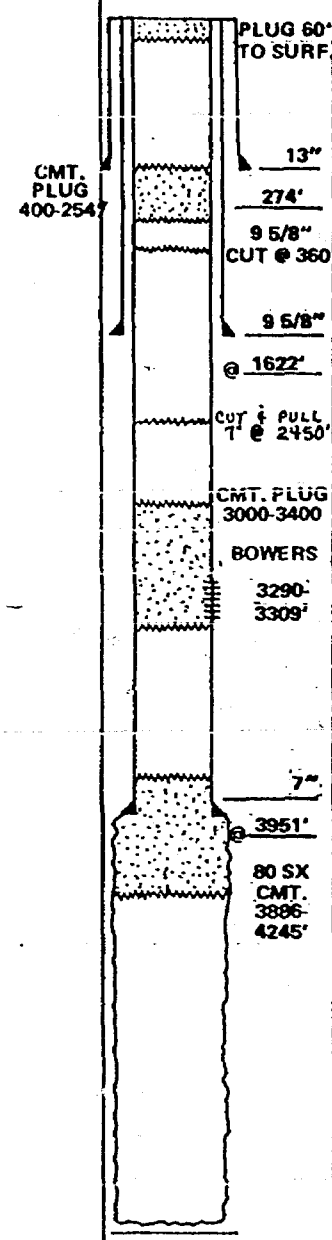
COMPLETION DATE 6-3-36 (D&A) — CONTINENTAL ST. "B-13" NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 3300' FNL & 3300' FEL SECTION 13 K BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3684' [DF] G.L. ELEV. _____ TD 4245' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	274	200	Circ.	16"**
9 5/8"	36#	1622	400	438*	12 1/4"*
7"	24#	3951	400	1149*	8 1/2"*

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3959	-275e
GL	4082	-398e
I	4132	-448
II	4234	-550e
III	4304	-620
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3-36	Bowers	3290--3309'	20 holes
		3951-4245	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: P&A: 7" csg. cut @ 2450'; 1501' in hole. 9 5/8" cut @ 360'; 1262' in hole
80 sx cmt. 4245-3886'. Cmt. plug 3400-3000'. Plug from 400-254'; cellar to 60'

DATE: 8-24-78 KLL

Rev. 12-78 KLL

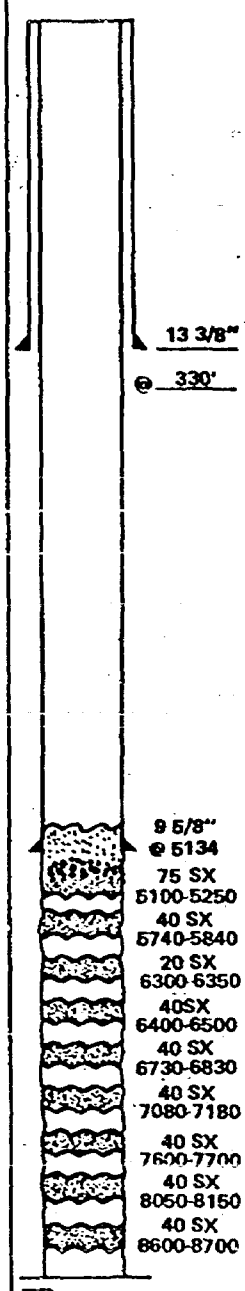
D&A DATE 5-26-60 CONTINENTAL NORTH HOBBS UNIT #1 COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ HOBBS (G-SA) UNIT

LOCATION 660' FNL & 660' FWL SECTION 13 D BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3686' [DF] G.L. ELEV. _____ TD 8877 PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	330	375	Circ.*	17 1/2"
9 5/8"	36,40#	5134	840	2700*	12 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5-60		*5134-8877	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Was loaned to Dresser Atlas for testing logging instruments

DATE: 12/78 KLL

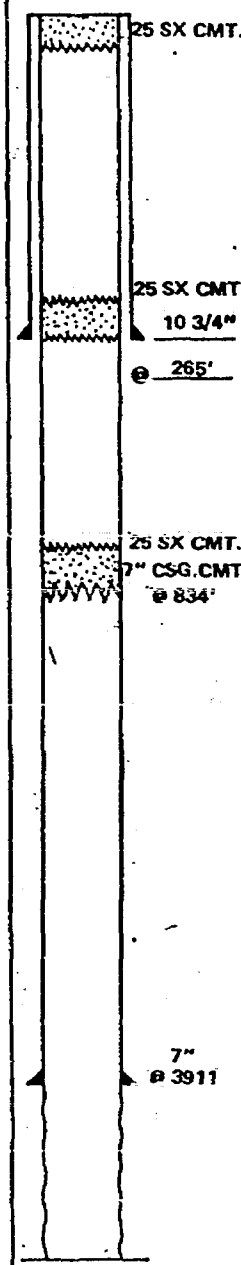
COMPLETION DATE 12-52 — ESTES-STANOLIND ST. NO. 1-A — COMPLETION INTERNAL: ____

P&A DATE 1-6-65 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FEL — SECTION 14 P — BLOCK ____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3677' [DF] G.L. ELEV. ____ TD 4135' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40.5#	265	200	Circ.*	15"
7"	20#	3911	150	3539*	10 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-52	G/SA	3911-4135	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

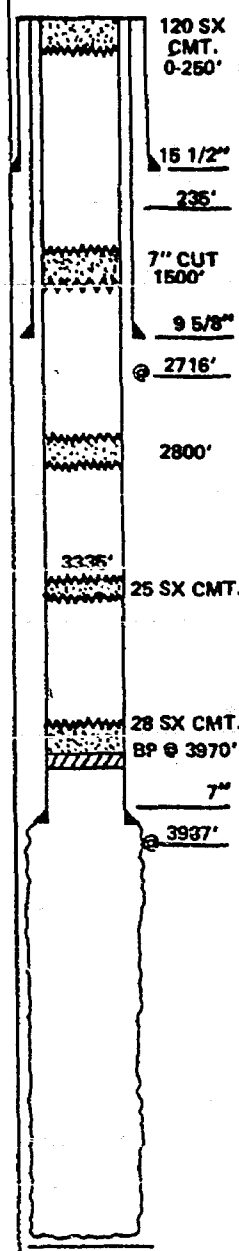
COMPLETION DATE 11-32 — EXXON-BOWERS "B" FED. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 12-21-71 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330' FWL — SECTION 29 D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3656' [DF] G.L. ELEV. _____ — TD 4186' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	235	225	Circ.*	18"**
9 5/8"	36#	2716	650	830*	12 1/4"**
7"	26#	3987	300	1840*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11-32	G/SA	3987-4186'	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

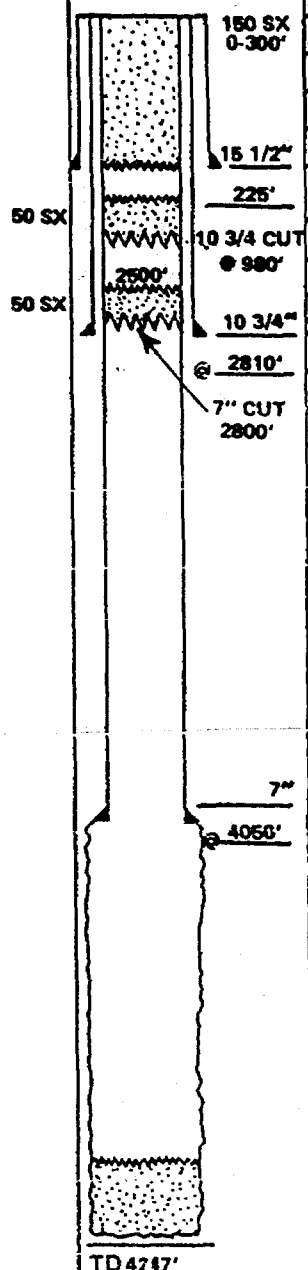
COMPLETION DATE 12-32 — EXXON BOWERS "B" NO. 2 — COMPLETION INTERNAL: _____

P&A DATE 5-6-46 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FWL — SECTION 20 J — BLOCK _____

SURVEY T-18-S, R- — COUNTY Lea County, New Mexico

DATUM 3647' [DF] G.L. ELEV. _____ — TD 4247' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	225	225	Circ.*	18"**
10 3/4"	40#	2810	700	750*	13 1/2"**
7"	26#	4050	300	1950*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
12-32	G-SA	4050-4247	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

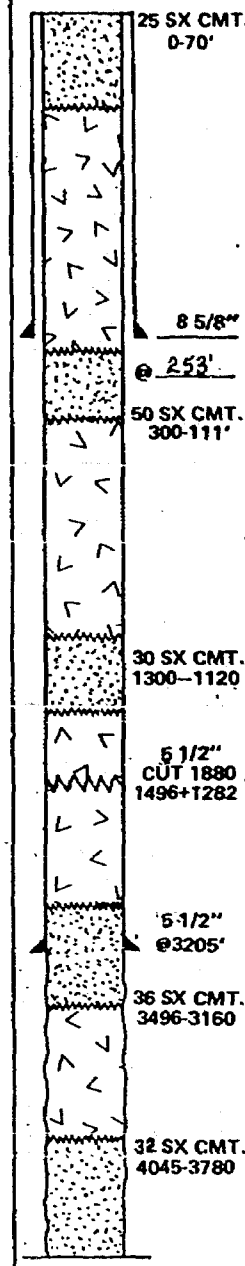
D&A DATE 3-48 | EXXON-GRIMES NO. 2 | COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ | HOBBS (G-SA) UNIT

LOCATION 990' FNL & 660' FWL SECTION 29 A BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3644' TD 4045' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	253	150	Circ.*	11"
5 1/2"	14,17#	3205	450	765*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3-48	BOW/	3205-4045	OH
	G-SA		

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

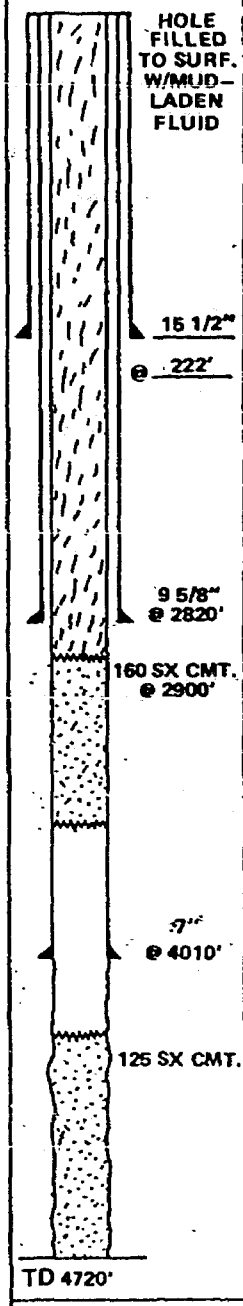
D&A · DATE 5-33 — EXXON-BOON HARDIN NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330' FWL — SECTION 18E — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. _____ — TD 4720' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	222	225	Circ.*	18"**
9 5/8"	36#	2820	650	910*	12 1/4"**
7"	24#	4010	300	1910*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5-33	G-SA	4010-4720	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

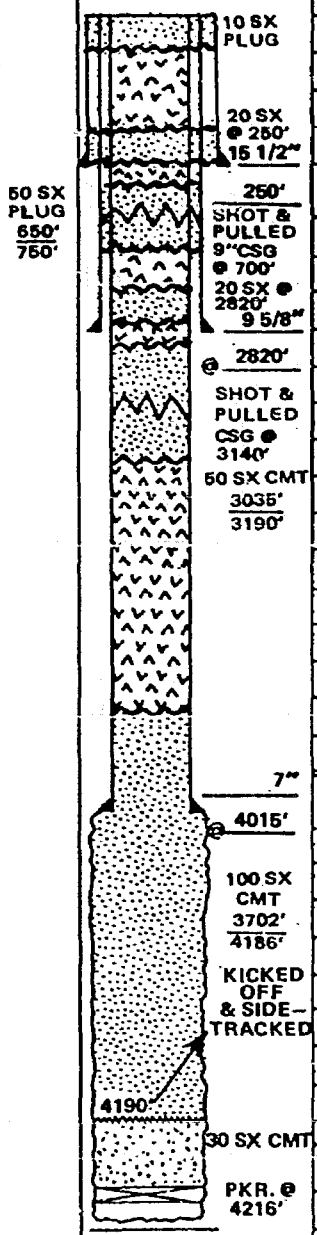
COMPLETION DATE 2-1-33 — C. H. SWEET "B" NO. 3 — COMPLETION INTERNAL:

RECOMPLETION DATE 9-1-49 (P&A) — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 990' FEL — SECTION 20 P — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM [ ] G.L. ELEV. 3645' — TD 4226' — PBTD 4190' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	250	225	Circ.*	18"**
9 5/8"	36#	2820	650	910*	12 1/4"**
7"	24#	4015	300	1915*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE • NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2-33	G-SA	4015-4226	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Well was plugged 8/4/49. TOC @ 4190

9/54 well was side tracked & number changed to 3-A

DATE:

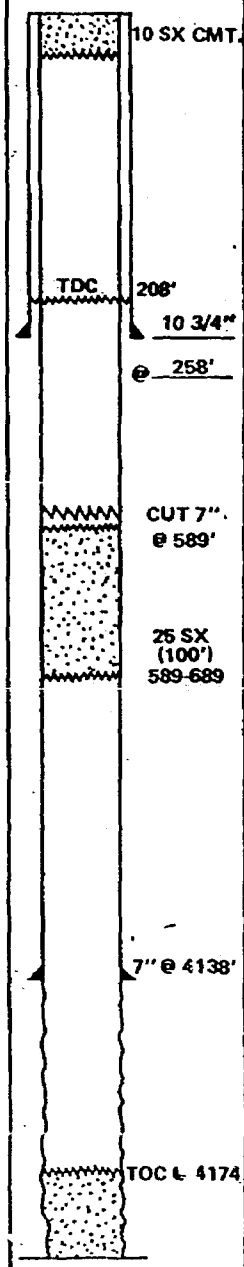
COMPLETION DATE 2-54 — C. H. SWEET "B" NO. 3-A — COMPLETION INTERNAL: _____

P&A DATE 8-9-60 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 700' FEL SECTION 20 P BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3647' [DF] G.L. ELEV. _____ TD 4230' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	258	150	Circ.	13 1/2"*
7"	20#	4138	600	522*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4072	-420e
GL	4159	-507e
I	4173	-521e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2-54	G-SA	4138-4230	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3-54	G, I	250 gal. AT	4136-70'		
		250 gal. AT	4170-80'		
		750 gal. 15% AT	4170-80'		
		5000 gal. 15% AT	4170-80'		2BOPH
		8000 gal. 20% AT	4170-80'		1BOPH
		100 gal. AT	4207-30'		100% wtr.

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-23-78 KL

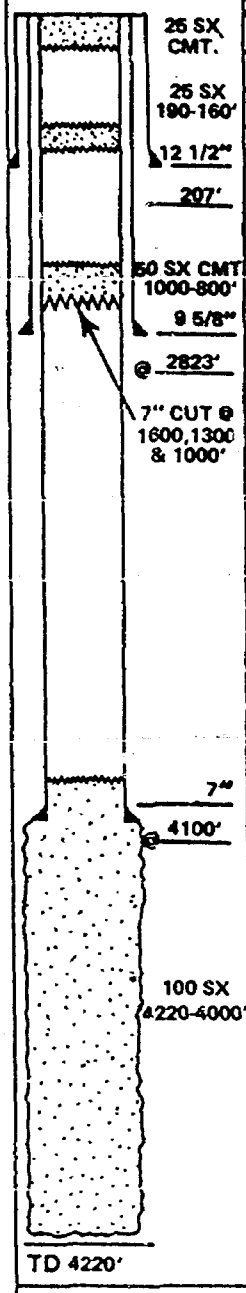
COMPLETION DATE 11-30 — EXXON "A" STATE NO. 3 — COMPLETION INTERNAL: _____

P&A DATE 3-18-47 — HOBBS (G-SA) UNIT

LOCATION 1980' FEL & 1980' FSL — SECTION 25J — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3667' [DF] G.L. ELEV. _____ — TD 4220' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	207	250	Circ.*	14"**
9 5/8"	36#	2823	650	907*	12 1/4"**
7"	26#	4100	350	1660*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
BRB	1610	
T Salt	1750	
B Salt	2650	
Yates	2780	
Buff-lime	2900	
T Pay	4125	
GU	4047	-380e
GL	4141	-474e
I	4167	-500e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/30	G-SA	4100-4220	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: See attached for P&A info

DATE: 8-24-78 KHL

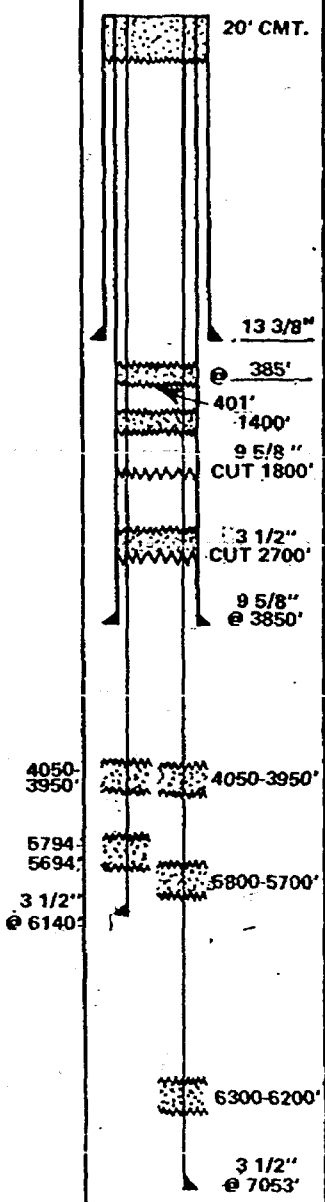
COMPLETION DATE 10-69 — EXXON "A" BOWERS NO. 32 — COMPLETION INTERNAL: P&A

P&A DATE 9-14-72 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 1980' FEL — SECTION 30 — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3658' [DF] G.L. ELEV. 3646' TD 7075' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	385	400	*Circ.	17 1/2"
9 5/8"	36#	3850	550	*610	11"
3 1/2"	7.7#	6140	895	*5620	8 3/4"
3 1/2"	7.7#	7053			8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3918	-260
GL	4032	-374
I	4048	-390
II	4106	-448
IIIU	4168	-510
IIIL	4274	-616
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/69	Blnbry	*5940-54'	1 SPF
9/69	Drnkrd	*6974-82'	1 SPF
9/69		5725-76'	
10/69		5813,87-91'	
12/69		6974-82'	1 SPF
		5825-29,56-60,72-76	
		5887-91 SQUEEZE & REPAIR 5895-5901'	

DATE	DEPTH	WORK DONE
9/69	6974-82	Sqz'd w/50 sx cmt.
9/69	5940-54	Sqz'd w/40 sx cmt.
10/69	5725-76	Sqz'd w/25 sx cmt.
10/69	5813	Sqz'd w/75 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/69	Blnbry	1500 gal. 15% NE AT	(5940-54')		46 BW
9/69	Drnkrd	9500 gal. 15% NE AT	(6974-82')		70 BW
9/69		5000 gal. AT 10x65 frac	(5725-76')		30 BW
10/69		500 gal. AT	(5887-96')		12 BW
12/69		2500 gal. AT	(6974-82')		1BO,74BW
		5000 gal. AT	(5825-76')		
		500 gal. AT	(5887-5901')		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-24-78 KH

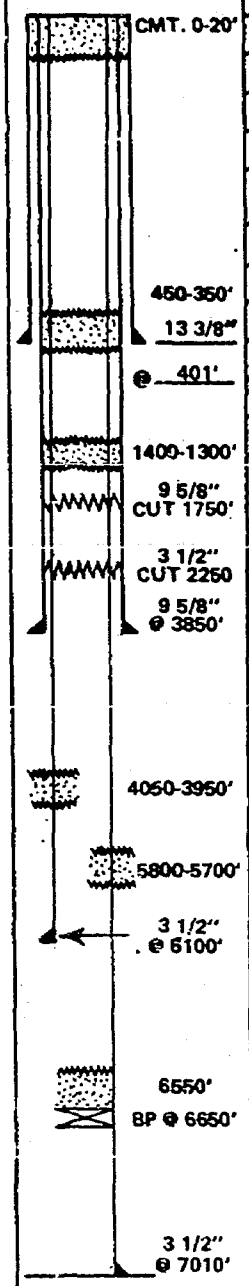
COMPLETION DATE 9-69 — EXXON "A" BOWERS NO. 34 — COMPLETION INTERNAL: P&A

P&A DATE 9-26-72 — HOBBS (G-SA) UNIT

LOCATION 1980' FSL & 2120' FEL — SECTION 30J — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3661' [DF] G.L. ELEV. 3650' — TD 7010' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	401'	400	150*	17"
9 5/8"	36#	3850'	550	3040*	12 1/4"
3 1/2"	7.7#	6100'	895	4144*	8 3/4"
3 1/2"	7.7	7010'			8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3904	-243
GL	4014	-353
I	4030	-369
II	4106	-445
IIIu	4178	-517
IIIL	4294	-633
Drnkrd	7100	
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/69		*5848,50,51,63,65,67,93,	1 JPF
10/69		98, 5900,05,07	
11/69		*6973-79, 6946-50, 6955-33	1 JPF
12/69		6718,66,69,98, 6832,53,	
12/69		6855,75, 6901-6912	
	Drnkrd	5822-28	1 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
10/69	5848/	Sqz'd w/44 sx cmt.
	5907	
12/69		B.P. @ 6650' w/25 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/69		2000 gal. AT	(6973-79')		75 BW
11/69		3000 gal. AT	(6973-79')		22BO, 78B
12/69		500 gal. AT	(6946-63')		
12/69		10,000 gal. AT	(6718-6912')		Dry
12/69		500 gal. AT	(5822-28")		158 BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Gas lifted

See attached for P&A procedure — DATE:8-24-78

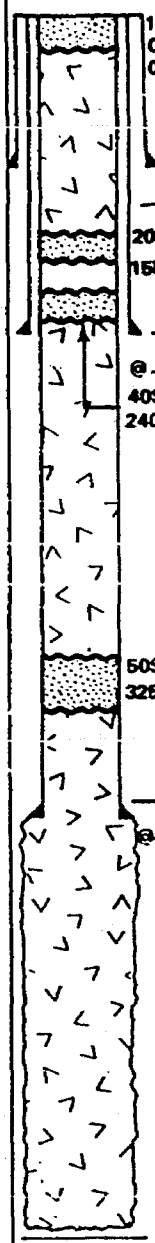
COMPLETION DATE 9/30 — EXXON USA BOWERS No. 9 — COMPLETION INTERNAL: _____

P&A DATE 1/2/62 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FWL — SECTION 29E — BLOCK _____

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

DATUM 3654' [DF] G.L. ELEV. _____ — TD 4200 — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	226	650	Circ.*	14"**
9 5/8"	36#	2736	650	351*	11 3/4"**
7"	26#	3976	300	1825*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3976–4200	OH
	Bow/7Riv	3222–27	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 K.I.I.

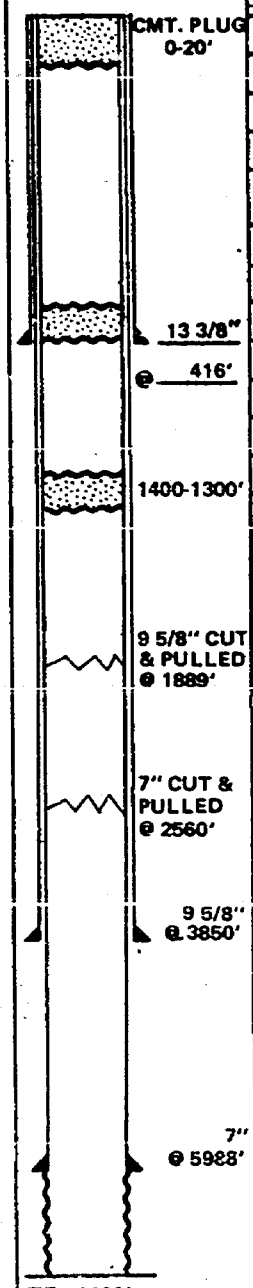
COMPLETION DATE 7-69 — EXXON USA BOWERS NO. 33 — COMPLETION INTERNAL: _____

P&A DATE 10-3-72 — HOBBS (G-SA) UNIT

LOCATION 800' FNL & 660' FWL — SECTION 29D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3657' [DF] — G.L. ELEV. _____ — TD 6000' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	416	400	Circ.*	17"
9 5/8"	36#	3850	550	3040*	12 1/4"**
7"	23#	5988	550	2672*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/69	Blnbry	5915-5953	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE: 12-78 KLL

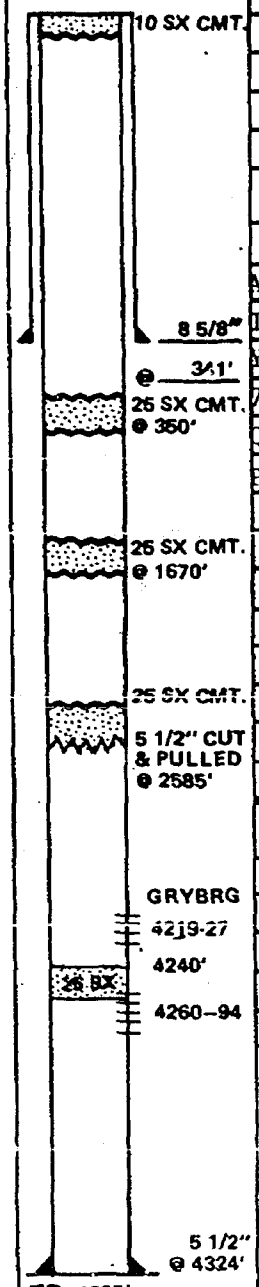
COMPLETION DATE 1-60 — GETTY STATE "B" NO. 3 — COMPLETION INTERNAL: _____

P&A DATE 8-27-60 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 2310' FWL — SECTION 14F — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3686' [DF] G.L. ELEV. _____ TD 4324' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	341	300	Circ.	11"
5 1/2"	15.5#	4324	600	1096*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1645	
Tansil	2717	
Yates	2867	
7 Riv	3142	
Queen	3700	
Penrose	3854	
GU	4300	-599
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/60	G-SA	4219-4232'	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/60	4218-32	Sqz'd w/195 sx sand

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/60	G	1500 gal. AT; 10x10 frac			
1/60	G	1000 gal. AT; 10x10 frac			
2/60	G	1000 gal. AT; 20x17.5 frac			
5/60	G	10x3.4 (walnut shells)	unable to rec. load		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE: 12-78 KLL

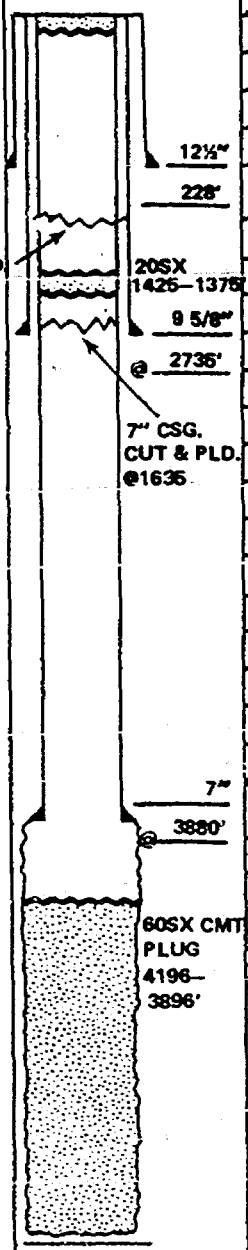
COMPLETION DATE 12/30 — GETTY GRIMES No. 5 — COMPLETION INTERNAL: _____

P&A DATE 6/29/50 — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FEL — SECTION 29H — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3647' — TD 4196' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	228	250	Circ.	14"**
9 5/8"	36#	2735	600	1173*	12¼"**
7"	24#	3880	400	1084*	8½"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	3880–4196	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

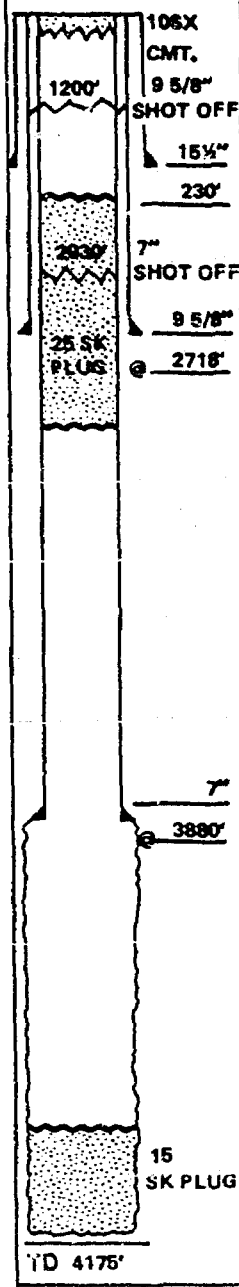
COMPLETION DATE 9/30 — GETTY GRIMES No. 2 — COMPLETION INTERNAL: _____

P&A DATE 7/3/51 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FEL — SECTION 29H — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3650' — TD 4175' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	230	200	Circ.*	18"
9 5/8"	36#	2718	600	954*	12 1/4"**
7"	24#	3880	300	1784*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3951	-299
GL	4052	-400
I	4062	-410
II	4128	-476
IIIu	4197	-545
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G-SA	3880-4175	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

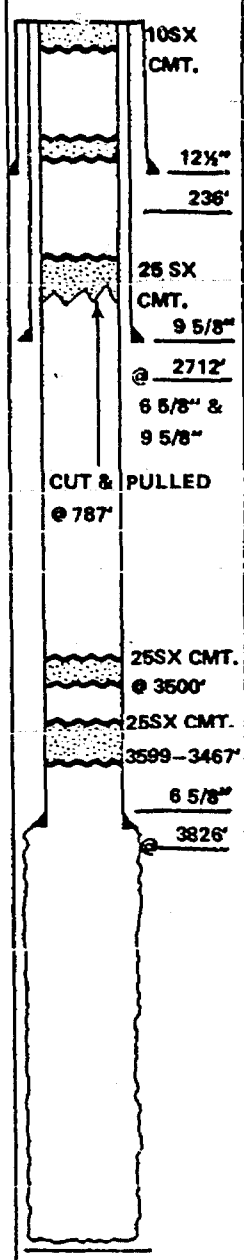
COMPLETION DATE 8/30 — GETTY GRIMES WO No. 1 — COMPLETION INTERNAL: _____

P&A DATE 7/25/68 — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 990' FEL — SECTION 29I — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3650' — TD 4160' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	236	200	Circ.*	14"**
9 5/8'	36#	2712	600	948*	12 1/4"**
6 5/8'	24#	3826	300	2098*	8 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3895	-247
GL	3984	-336
I	3996	-348
II	4061	-413
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/30	G-SA	3826-4200	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

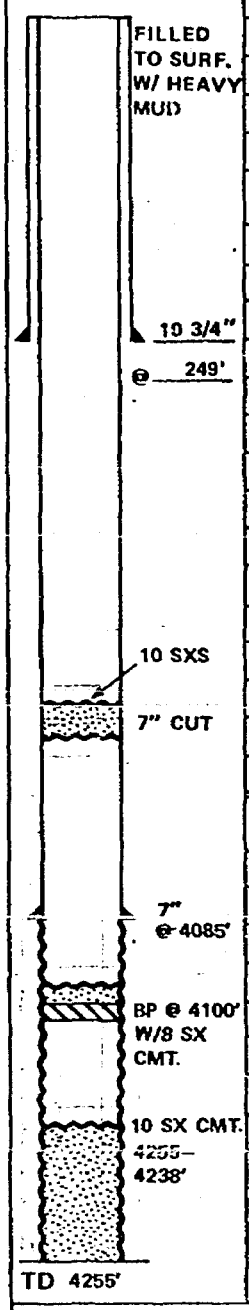
COMPLETION DATE 10/42 — GULF MORRIS NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10/27/43 — HOBBS (G-SA) UNIT

LOCATION 363' FNL & 2310' FEL — SECTION 21B — BLOCK _____

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

DATUM _____ ( ) G.L. ELEV. _____ TD 4255' PBTD P&A ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	249	155	Circ.*	12"
7"	24#	4085	450	941*	8 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/42	G-SA	4085–4255	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

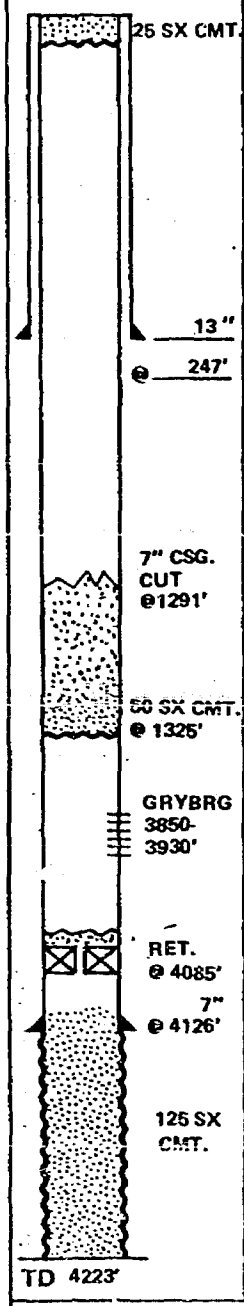
COMPLETION DATE 4-14-36 — GULF NORTH GRIMES NO. 4 — COMPLETION INTERNAL: _____

P&A DATE 2-8-49 — HOBBS (G-SA) UNIT

LOCATION 1350' FSL & 1350' FWL SECTION 21K BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3645' TD 4225' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15"	40#	247	150	Circ.*	18"
7"	24#	4126	1300	Circ.*	9 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4106	-461
GL	4198	-553
I	4198	-553
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4126-4225	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/36	G	5000 gal.	AT		
4/36	G	3000 gal.	AT	77BOPH	146BOPH

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Gas lifted.

DATE: 8-23-78 KLL

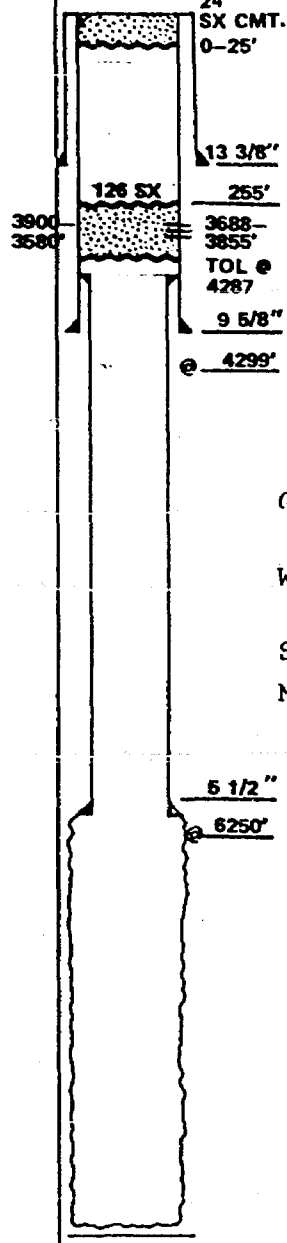
COMPLETION DATE _____ **GULF-GERTRUDE MORRIS NO. 1** COMPLETION INTERNAL: _____

D&A DATE 1/11/57 **HOBBS (G-SA) UNIT**

LOCATION 1980' FNL & 1980' FEL SECTION 21G BLOCK _____

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

DATUM 3647 (DF) G.L. ELEV. 3640' TD 11,211' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	255	300	Circ.*	17 1/2"
9 5/8"	36#	4299	2820	Circ.*	12 1/4"
5½"/nr.		4287/6250	500	4647*	7 1/2"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy.	1745	
Yates	2895	
Queen	3680	
Gu	4218	-571
I	4326	-679
II	4371	-724
Glorieta	5650	
Tubb	6762	
Woodford	8472	
Dev.	8612	
Silurian	9910	
Montoya	10,360	
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/56	Glorieta	*6153-81	4 1/2" JPF
11/56	II	*4474-95	4 1/2" JPF
11/56	G	*4250-80, 4287-4300	4 1/2" JPF
11/56	Queen	3688-3710, 3755-90, 3830-55	4 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/56	6153-81	Sqz'd w/51 SX cmt.
11/56	4474-95	Sqz'd w/72 SX cmt.
11/56	4250/4300	Sqz'd w/192 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/56	II	5000gal.	AT		
11/56	G	500 gal. 15%	AT		
11/56	G	1000 gal. 15% 10 X .7#/gal.	frac		
11/56	Queen	1000 gal. 15%; 5 X 5	frac		

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/22/78KLL

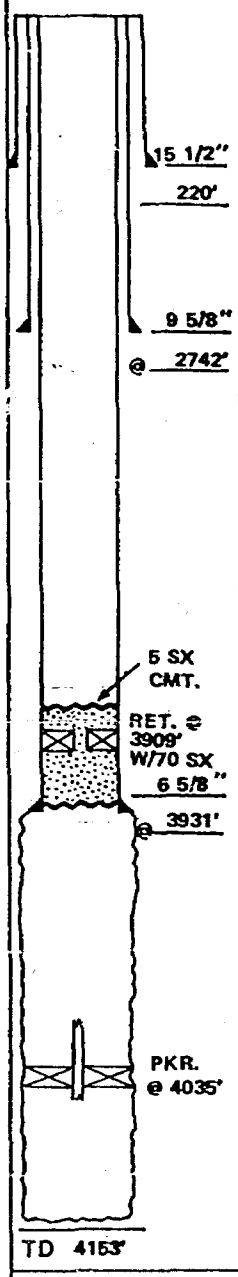
COMPLETION DATE 8-30 — GULF GRIMES "NCT-A" NO. 4 — COMPLETION INTERNAL: _____

P&A DATE 8-21-40 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL — SECTION 32C — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3640' — TD 4153 — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	220	200	Circ.*	18"**
9 5/8"	36#	2742	600	930*	12 1/4"**
6 5/8"	24#	3931	400	1890*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
		3630-3700	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: Well recompleted to Byers zone 8/26/40.

DATE: 12-78 KLL

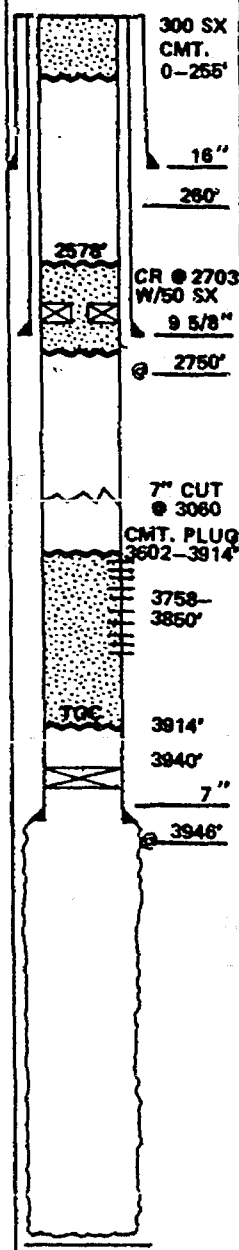
COMPLETION DATE 11/25/30 — MARATHON STATE NO. 4 — COMPLETION INTERNAL: 3758-3850'

RECOMPLETION DATE 1/25/57 (P&A) — HOBBS (G-SA) UNIT

LOCATION 330' FWL & 330' FSL — SECTION 30 M — BLOCK

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

DATUM 3662' [DF] G.L. ELEV. — TD 4215' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
16"	65.3#	260	225	Circ.*	18"**
9 5/8"	40#	2750	500	1280*	12¼"**
7"	24#	3946	350	1500*	8½"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
BRB	1540	
T.Salt	1672	
B.Salt	2628	
Buff Is	2865	
Yates	2750	
Ector	3940	
Gu	3999	-342
GL	4136	-479
I	4152	-495
II	4215	-558e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/51	Byers	3758-70, 3785-97, 3810-25	4 JPF
		3840-50	
	G-SA	3946-4215	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/51	4086/4146	PB w/4 SX cmt.
11/50	4146	PB w/45 SX cmt.
3/51	3940	CIBP w/TOC@ 3914'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/51		1000 gal. 15%	3980'-4081'		
11/50		3000 gal.	3978-4146		

OPT 3693 BO (1st prod.)

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE 8/22/78KLL

Rev. 12/78 KLL

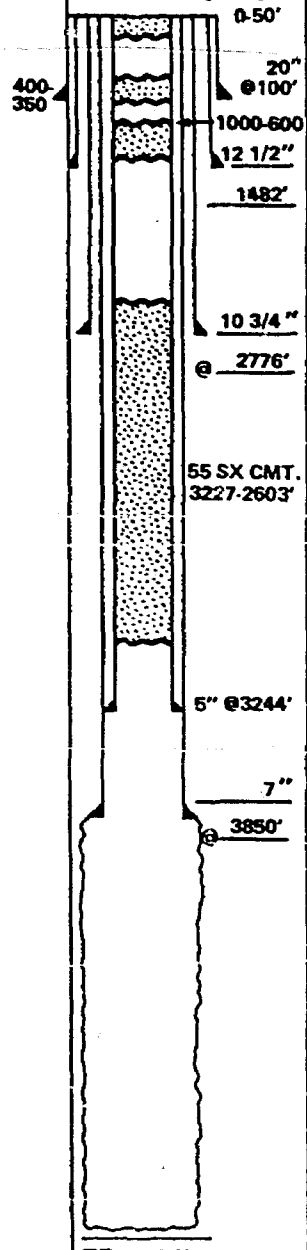
P&A DATE 7/21/58 — **MARATHON STATE 32 NO. 1** — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — **HOBBS (G-SA) UNIT**

LOCATION 2970' FNL & 1650' FEL SECTION 32J BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3636' TD 4176' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	1482	175	1264*	17"**
10 3/4"	41#	2776	200	2242*	13 1/2"**
7"	24#	3850	275	2192*	8 3/4"**
5"	15#	3244	500	178*	6 1/3"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	Bowers	3244-4176	
	G/SA-Bow.	3140-3203	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

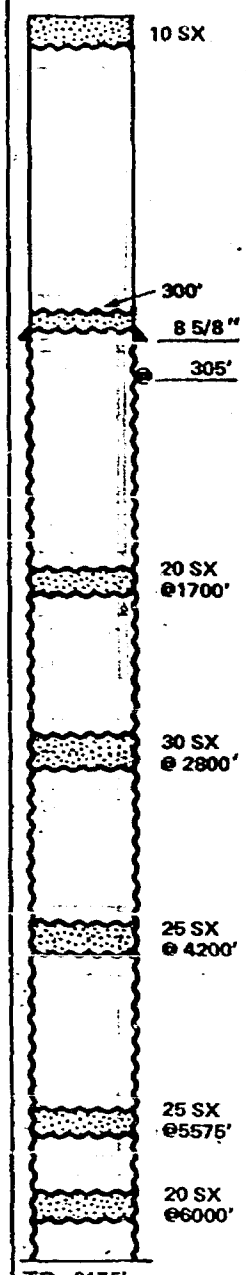
COMPLETION DATE 3-23-62 (P&A) — MORAN SM-20 #1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL — SECTION 20G — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3656' [DF] G.L. ELEV. _____ — TD 6175' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	305	225	Circ.	12 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4113	-456e
GL	4201	-544e
I	4206	-549e
II	4267	-610e
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-24-78 KL

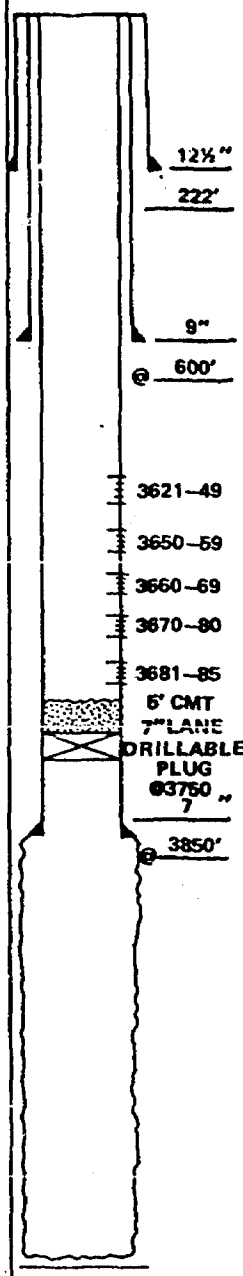
COMPLETION DATE 6-16-30 — SHELL ST. "A" # 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 8-20-41 — HOBBS (G/SA) FIELD

LOCATION 2310' FNL & 1650' FEL — SECTION 32 — BLOCK G

SURVEY T-18-S, R-38-E — COUNTY Lea

DATUM _____ [ ] G.L. ELEV. 3638 — TD 4175' — PBTD 3745' [ ]



CASING RECORD *CALCULATED AT 50% EFFICIENCY

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	222'	135	15'*	16"**
9"	35#	2755'	600	1045'*	10 1/2"**
7"	24#	3850'	200	3062'*	8 3/8"**

LOGGING RECORD *EST

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8-24	Byers	3681-3685	5 - 9/16"
8-24	Byers	3670-3680	16 - 9/16"
8-24	Byers	3660-3669	11 - 9/16"
8-24	Byers	3650-3659	8 - 9/16"
8-24	Byers	3621-3649	15 - 9/16"

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 11 SX Aquagel

DATE: 7-79 JRK

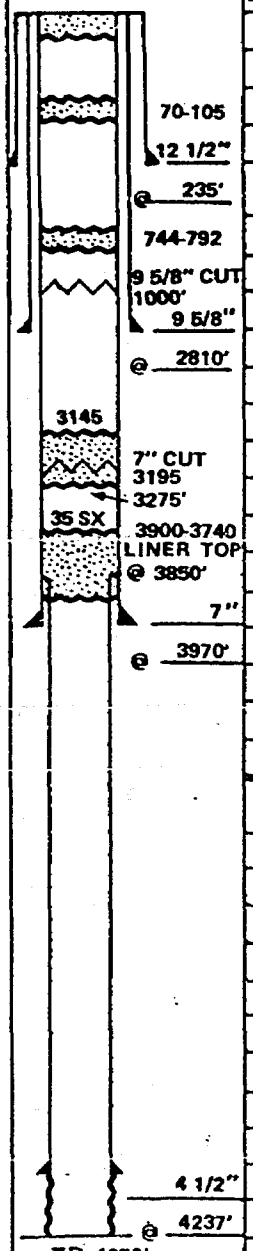
COMPLETION DATE 9/30 — SHELL McKINLEY "A" NO. 8 — COMPLETION INTERNAL: _____

P&A DATE 4/17/63 — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 1320' FEL — SECTION 19I — BLOCK _____

SURVEY T-18-S, R-38E — COUNTY Lea County, New Mexico

DATUM 3659' [DF] G.L. ELEV. _____ TD 4270' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50 #	235	300	Circ.*	17"**
9 5/8"	36 #	2810	600	1046*	12 1/4"**
7"	24 #	3970	225	2398*	8 1/2"**
4 ½"lnr.	11.6 #	3850/4237	70	3699*	6"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G-SA	3970-4210	
	G-SA	4237-4270	
		3740-3841	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

D&A (G-SA)
COMPLETION DATE 8-62
RECOMPLETION DATE 2-19-63

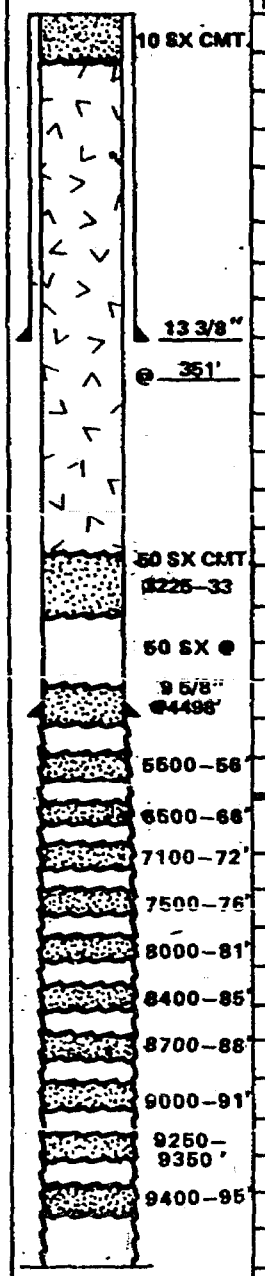
SHELL McKINLEY "A-19" NO. 1
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: _____

LOCATION 2310' FSL & 1650' FEL SECTION 19J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, NM

DATUM 3655' [DF] G.L. ELEV. _____ TD 9550' PBTD D&A [ ]



CASING RECORD *CALCULATED AT 50% EFFICIENCY

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	48#	351	350	Circ.*	17"
9 5/8"	36,40#	4498	2500	Circ.*	12 1/4

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	4498-9550	
	Bowers	3260-3301	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

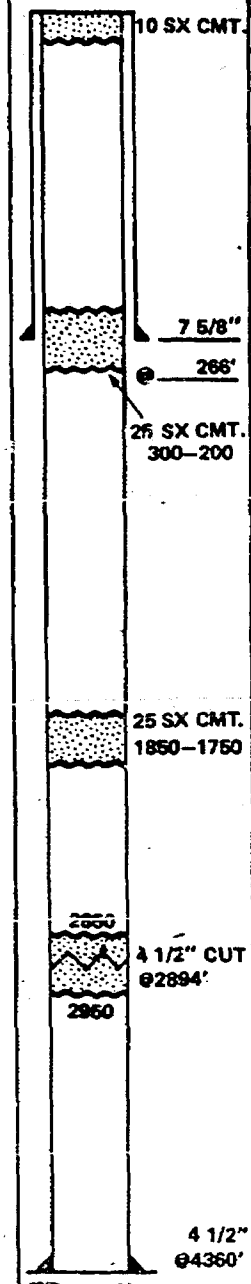
COMPLETION DATE D&A 1-62 — SHELL STATE "HG" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 3-30-62 — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330' FWL — SECTION 17D — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3667' [DF] G.L. ELEV. _____ TD 4360' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
7 5/8"	24#	266	230	Circ.	9 7/8"
4 1/2"	11.6#	4360	350	2074	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

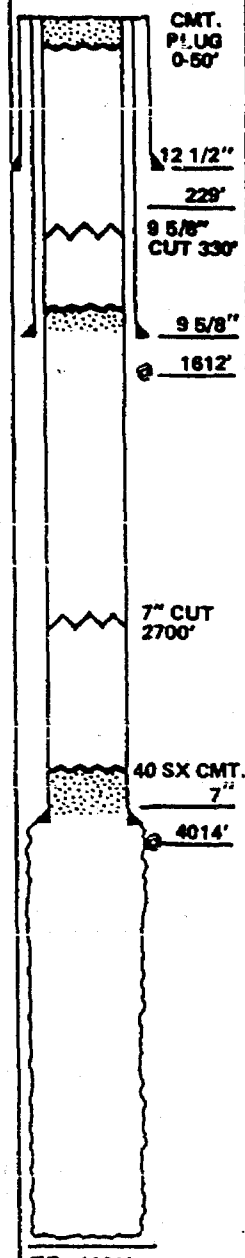
COMPLETION DATE 1-36 — SHELL STATE "E" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE ~~12/21/38~~ — HOBBS (G-SA) UNIT

LOCATION 4620' FNL & 330' FEL — SECTION 14P — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3686' [DF] G.L. ELEV. _____ TD 4180' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	229	150	45*	17"
9 5/8"	36#	1612	650	Circ.*	12"
7"	24#	4014	280	2326*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/36	G-SA	4014-4180	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: ~~12/78 KLL~~

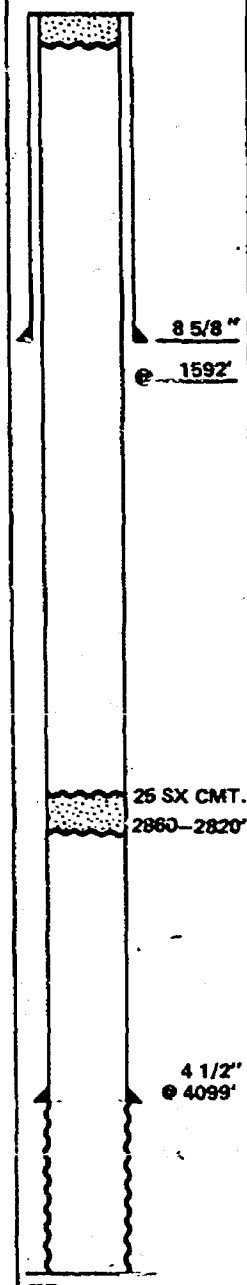
COMPLETION DATE 9/48 — SHELL STATE "F" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 10/15/57 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 330' FEL SECTION 23A BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3673' [DF] G.L. ELEV. _____ TD 4150' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	1592	525	Circ.*	11"
4 1/2"	9.5#	4099	130	3249*	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G-SA	4099-4122	
	Bower	3300-3350	
		2745-2860	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

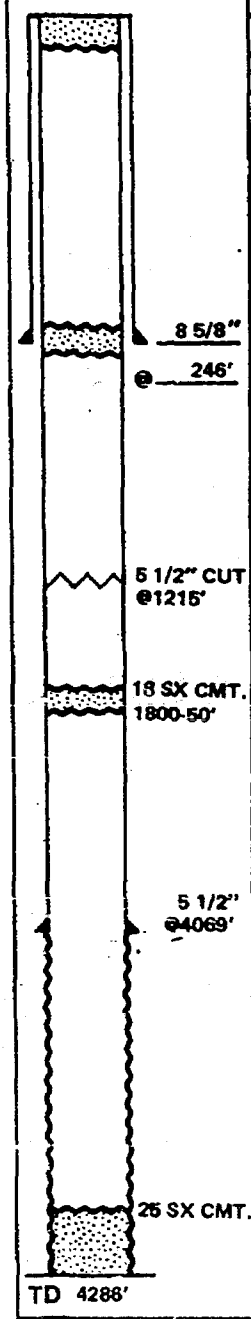
COMPLETION DATE 1/48 — SHELL SANGER NO. 1 (KING) — COMPLETION INTERNAL: _____

D&A DATE 1/48 — HOBBS (G-SA) UNIT

LOCATION 4637' FNL & 2638' FEL — SECTION 27 O — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3629' — TD 4286' — PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	246	200	Circ.*	11"
5 1/2"	14,17#	4069	350	2173*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/48	G-SA	4069-4286	

SQUEEZE & REPAIR

DATE	DEPTH	WORK ZONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

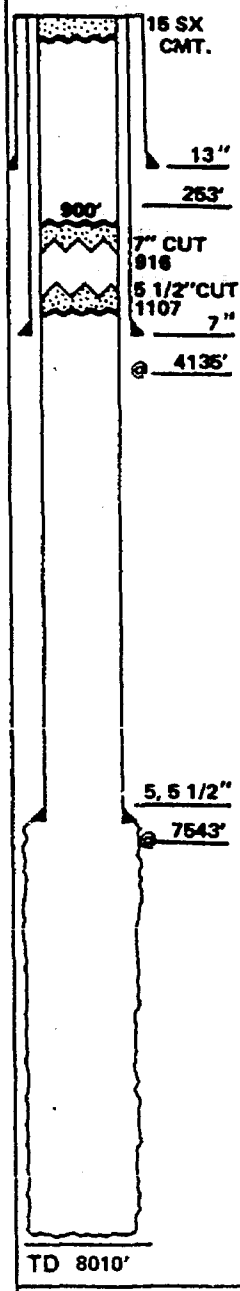
COMPLETION DATE 1-47 — SUN McKINLEY "B" NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 2-15-47 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330' FWL — SECTION 20G — BLOCK _____

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3651' — TD 8010' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	253	150	Circ.*	16"
7"	24#	4135	875	1130*	9 7/8"
5, 5 1/2"	18, 15.5#	7543	350	4489*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
		7543-8010	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

WR-3198 A

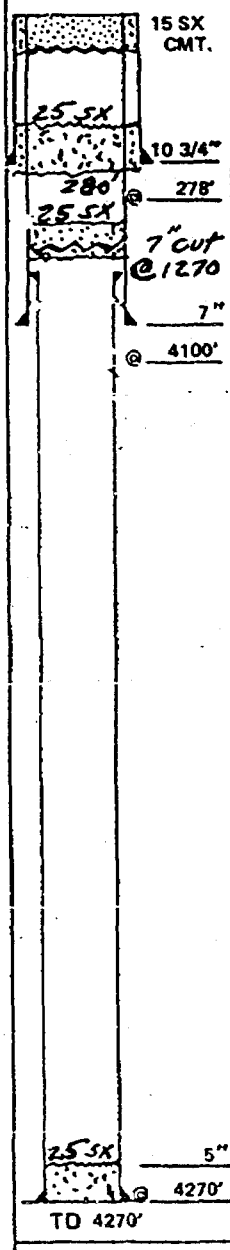
COMPLETION DATE 3-52 — SUN McKINLEY "8" NO. 1-A — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 1980' FEL — SECTION 20G — BLOCK _____

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

DATUM _____ [ ] G.L. ELEV. 3655' — TD 4270' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40.5#	278	125	Circ.*	13"
7"	20#	4100	350	1985*	8 3/4"
5"/nr.	15.5#	4050/4270	50	4050*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4147-90	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

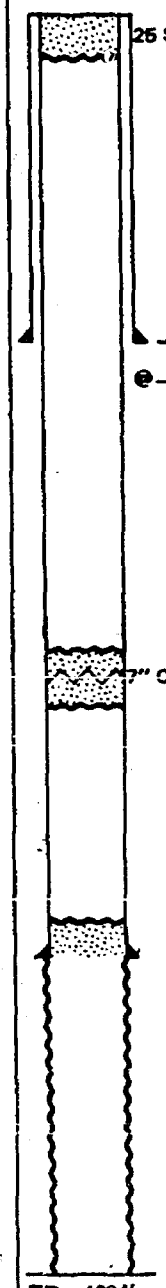
COMPLETION DATE 9-52 — ANTWEIL-MORRIS NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 11-52 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 330' FWL SECTION 21E BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3457' [DF] G.L. ELEV. _____ TD 4294' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40#	283	150	55*	15"
7"	20#	4100	150	3196*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/52	G-SA	4100-4294	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KL

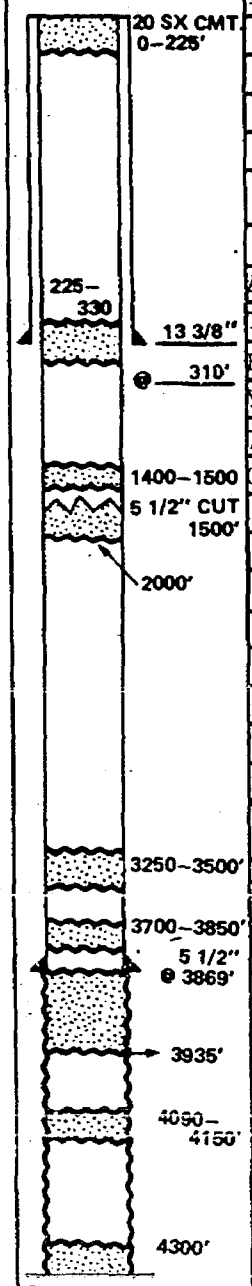
COMPLETION DATE 5-9-57 — CACTUS DRLG. PAN AM. NO. 1 — COMPLETION INTERNAL: P&A

P&A DATE 8-57 — HOBBS (G-SA) UNIT

LOCATION 355' FNL & 990' FWL — SECTION 26D — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3688' [DF] G.L. ELEV. — TD 4359' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	-	310	150	96 *	17 1/4"
5 1/2"	15.5#	3869	150	*3099	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1712	
T Salt	1810	
B Salt	2780	
Yates	2938	
7 Riv	3217	
Queen	3792	
G	4251	-563
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/57	G	3869-4359	OH
		3785-3807	
		3450-3595	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:8-23-78 KL

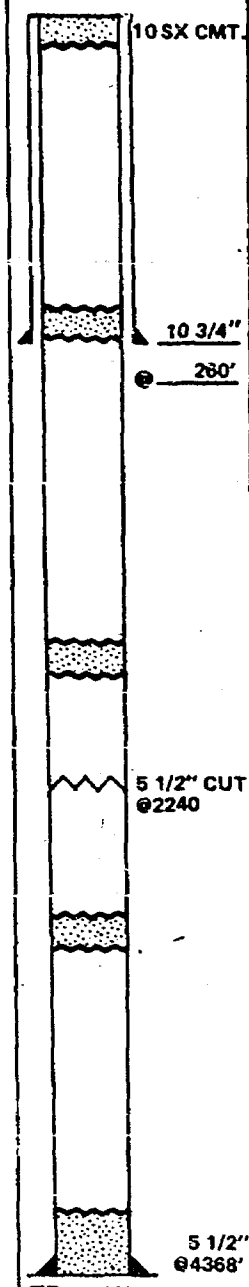
COMPLETION DATE 1/30/58 — R.D. COLLIER-PAN AM. NO. 1 — COMPLETION INTERNAL: ____

P&A DATE 6/13/58 — HOBBS (G-SA) UNIT

LOCATION 660' FSL & 660' FEL — SECTION 12P — BLOCK ____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3680' [DF] G.L. ELEV. ____ TD 4368' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	24#	260	100	Circ.	15"**
5 1/2"	17#	4368	300	2828*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/58	G-SA	4291-4350	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 12/78 KLL

WR-3198 C

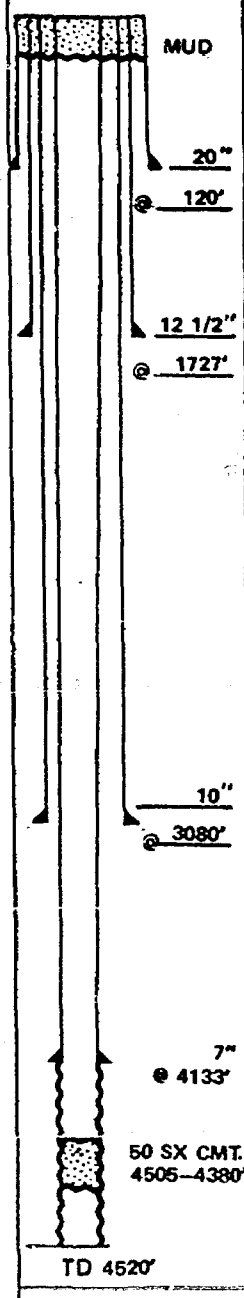
COMPLETION DATE 8/30 — LANDRETH PROD-STATE NO. 1-A — COMPLETION INTERNAL: _____

P&A DATE 8/7/31 — HOBBS (G-SA) UNIT

LOCATION 440' FSL & 2200' FEL — SECTION 7 0 — BLOCK _____

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

DATUM 3674' (DF) G.L. ELEV. _____ — TD 4520' — PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
20"	90#	120			
12 1/2"	50#	1727	Information		
10"	40#	3080	not available.		
7"	24#	4133			

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: No other well records available.

DATE:

Logging Information Not Available

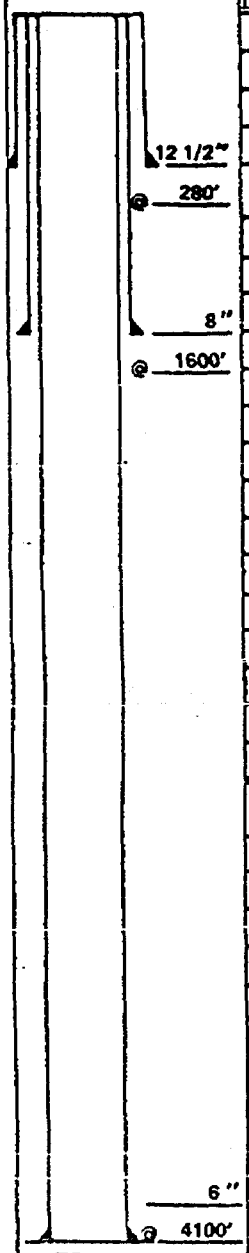
COMPLETION DATE _____ HOBBS HIGH INC-TATUMS NO. 1 COMPLETION INTERNAL: _____

P&A DATE 5/36 HOBBS (G-SA)UNIT

LOCATION 990' FSL & 330' FWL SECTION 35M BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3610' [DF] G.L. ELEV. _____ TD 4100' PBTD D&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"		280			
8"		1600	Information		
6"		4100	not available.		

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

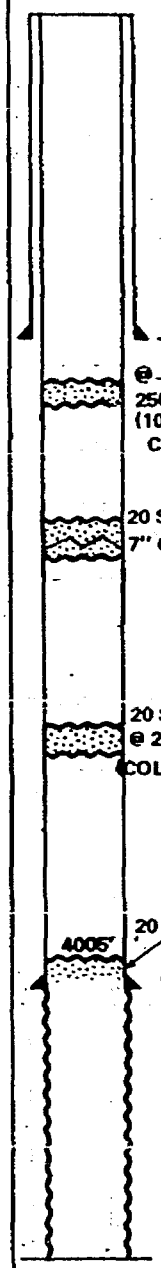
COMPLETION DATE 11-34 — C.H. SWEET-GRIMES NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 11-20-52 — HOBBS (G-SA) UNIT

LOCATION _____ SECTION 201 BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3647' TD 4244' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50 #	232	150	48*	17"**
7"	24 #	4015	550	699*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/34	G-SA	4015-4244	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12-78 KLL

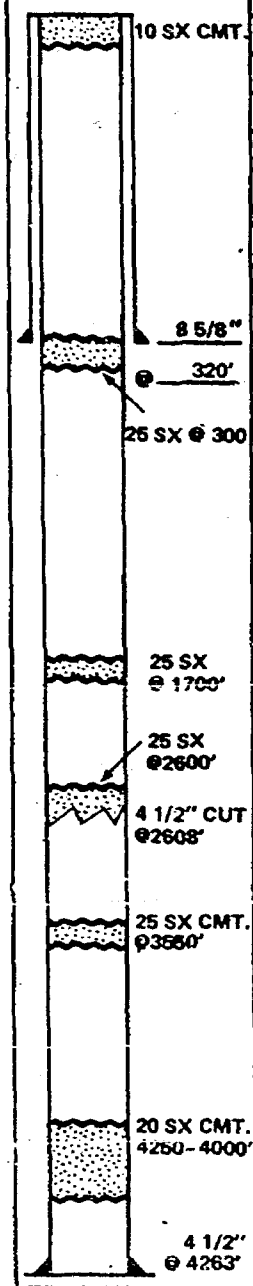
COMPLETION DATE 11/59 — WISER–GULF ST. NO. 1 — COMPLETION INTERNAL: _____

P&A DATE 6/18/65 — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 1650' FEL — SECTION 26B — BLOCK _____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3674' [DF] G.L. ELEV. _____ TD 4263' PBTD P&A [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	320	200	Circ.*	11"
4 1/2"	11.6#	4263	240	3321*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/59	G-SA	4000-4256	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 12/78 KLL

EXHIBIT

32

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5563 Exhibit No. 32
Submitted by Shell
Hearing Date 10-3-79

CITY OF HOBBS

RESOLUTION NO. 2091

A RESOLUTION AUTHORIZING THE MAYOR
TO EXECUTE INDUSTRIAL WATER CONTRACT
WITH SHELL OIL COMPANY

BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF HOBBS THAT:

The Mayor be and he is hereby authorized to execute on behalf of the City of Hobbs the original Industrial Water Contract between Shell Oil Company and the City of Hobbs dated June 1, 1978, effective upon execution of the Contract. A copy of the Contract is attached hereto and incorporated herein by reference.

INTRODUCED, PASSED AND APPROVED this 7th day of September, 1978.

Bill Mahorney
MAYOR

ATTEST:

Jan Estes
CITY CLERK

INDUSTRIAL WATER CONTRACT

DATED: JUNE 1, 1978

BETWEEN

SHELL OIL COMPANY

AND

CITY OF HOBBS

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AGREEMENT

This agreement made and entered into as of the 1st day of June, 1978, by and between the City of Hobbs, a municipal corporation, of Lea County, New Mexico, of the first part (hereinafter known as the City) and Shell Oil Company, a corporation, as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit, of the second part (hereinafter known as the Consumer).

WITNESSETH

WHEREAS, the City has constructed an Industrial Water Treatment Plant that produces an effluent of industrial process water from waste-water discharged into it from the Water Reclamation Facility and from the acquifer adjacent to the present Treatment Plants in Hobbs, New Mexico, and after such water is treated it is a desirable product for the Consumer which has a need for such water and can beneficially apply it to industrial usage.

NOW, THEREFORE, for and in consideration of the mutual covenants, promises and agreements herein contained and for other good and valuable consideration, the parties hereto agree as follows:

ARTICLE I

Definitions

Section 1. The term "day" as used in this agreement shall mean a period of twenty-four (24) consecutive hours beginning and ending at seven (7:00) o'clock A.M.

Section 2. The term "month" as used in this agreement shall mean the period beginning at seven o'clock (7:00) A.M. on the first day of a calendar month and ending at seven o'clock (7:00) A.M. on the first day of the next succeeding calendar month.

Section 3. The term "year" as used in this agreement shall mean the period beginning at seven o'clock (7:00) A.M. on the first day of a month and ending at seven o'clock (7:00) A.M. on the first day of the same month of the next succeeding year.

Section 4. The term "barrel" shall mean a volume equivalent to 42 U.S. gallons.

ARTICLE II

Commencement of Deliveries

The City shall have its facilities ready to deliver industrial water to Consumer October 1, 1979 or as the necessary government permits are acquired. Consumer shall begin payments no later than January 1, 1980.

ARTICLE III

Delivery Point and Pressure

Consumer shall provide, construct and maintain all equipment, pipeline and facilities necessary to receive the industrial water at a point in the northwest corner of the City's property on the existing fourteen (14) inch pipeline at a mutually agreeable point. Pressure at the point of delivery is not guaranteed.

ARTICLE IV

Quantity

Section 1. Subject to other articles of this agreement, the minimum quantity of industrial water to be delivered and received under this contract, designated as "annual contract quantity", shall be as listed.

Minimum Annual Contract Quantity:

Contract Year	Contract Quantity (Barrels)
1	18,250,000

Optional Minimum Annual Contract Quantity:

Contract Year	Contract Quantity (Barrels)
2	18,250,000
3	17,520,000
4	17,160,000
5	16,790,000
6	16,430,000
7	12,050,000
8	10,950,000
9	10,950,000
10	7,300,000
11	5,400,000

Optional Minimum Annual Contract Quantity (Continued)

Contract Year	Contract Quantity (Barrels)
12	5,480,000
13	3,650,000
14	3,650,000
15	3,650,000
16	3,650,000
17	3,650,000
18	3,650,000
19	3,650,000
20	3,650,000

Section 2. The Consumer shall not be required to take a continuous equal daily flow of industrial water and the City will not be required to produce a daily minimum quantity of industrial water provided the minimum quantity available for delivery during each monthly period will equal the amount of water that the Consumer covenants to purchase. Unless the City is provided with a tentative schedule of water demand by the Consumer, and acceptable to both parties, it will be assumed that monthly demand will be 1/12 of annual contract quantity.

Section 3. The Consumer shall have the first call on any quantity in excess of contract amounts of industrial water, at the existing contract price, that the City has available for sale, excepting such amounts as may be committed by contracts with other consumers and excepting such excess quantities as may be delivered under contracts heretofore entered into with other consumers.

Section 4. It is appreciated by both parties to this agreement that mechanical failures are possible and that production and delivery problems may be encountered by the Consumer in its pipeline system or injection wells and each agrees to cooperate with the other in efforts to remedy any system failures.

ARTICLE V

Quality

The City will provide industrial processed water with the following minimum quality standards.

Parameter	Maximum Concentration
Cl_2	0.5 Mg/L
SS	25 ppm
Particle Size	25 Microns

ARTICLE VI

Metering

Consumer, at its sole cost, risk and expense shall install and maintain at the point of delivery on the City's property a flow meter of sufficient size and type to measure the contracted quantities of industrial water. Readings shall be taken daily by the City and will be available to the Consumer at its request. These readings will be used to compute the quantity for the billing period.

If for any reason, any of the measuring equipment is out of service, or out of repair, so that the volume of industrial water purchased can not be ascertained or computed from readings thereof, the volume of industrial water purchased during the period such equipment is out of service or repair shall be estimated and agreed upon by the parties hereto on the basis of the best data available.

ARTICLE VII

Price

Section 1. The City will sell and the Consumer will purchase the industrial water quantities indicated in Article IV based on a minimum monthly rate of one-twelfth (1/12) the annual quantity and a price of one and one-half cents (1-1/2¢) per barrel.

Section 2. So long as the Consumer is not in default, any minimum quantity of industrial water paid for but not taken in any monthly period may be accumulated and taken in any succeeding monthly period during the term of the contract at no additional cost to the Consumer, provided, that the City will not be required to produce such industrial water over and above its normal operating capacity to meet such accumulated demand.

Section 3. The City should have available for consumption at the point of discharge into Consumer's facilities, an amount of water equal to the quantity the Consumer agrees to purchase monthly. Any failure of the City to produce and have available such quantity of industrial water during any monthly period shall excuse the Consumer from its covenant to pay the minimum monthly charge for that month, the Consumer being liable only for the quantity consumed.

Section 4. Subject to all other provisions in this Article, Consumer shall pay, or cause to be paid, all taxes that may be appropriate from this sale.

ARTICLE VIII

Term

Section 1. The Consumer shall purchase the mentioned minimum quantities of industrial processed water for a minimum period commencing when Consumer is ready to receive such water, but not later than the date indicated in Article II, and ending December 31, 1980.

Section 2. The Consumer shall have, and the City hereby grants to the Consumer, the right at its option, at any time prior to six (6) months before the expiration of the agreement, to renew and extend this agreement for an additional term of two (2) years or more, and for successive such terms thereafter. In case the Consumer elects to renew and extend this agreement it shall signify its election by written notice mailed to the Hobbs City Manager within the time above limited. All terms, conditions and covenants contained in this agreement shall be applicable to such extensions, excepting that the annual contract quantity may be adjusted downward by Consumer and excepting that the price per barrel of water may be adjusted upward or downward based on any increase or decrease in operational costs or capital investment to supply such water. For purposes of such price adjustment, only such direct operational costs and capital investments as are necessary for production and availability of industrial water at the City's Industrial Water Treatment Plant shall be considered, and only a prorata portion of such costs and investments based on the total quantities of water produced and available (whether or not sold) at said

plant shall be attributed to water sold under this agreement. Consumer shall have a minimum of ninety (90) days notice and be supplied all records and/or design and economic data pertinent to increases in operational costs and additional capital investments and full information as to the total quantities of water produced and available at the plant.

Section 3. If the Consumer should not use the minimum contracted quantities of industrial water in the initial contract period ending December 31, 1980, or in any subsequent contract period, the unused portion will be carried into the next succeeding contract period with the Consumer paying the excess of the current unit (per barrel) price over the previous contract price and using this quantity of industrial water as a credit against the minimum annual contract quantity during the current contract period, with such credit quantity being distributed equally over the number of months involved in the current contract period.

ARTICLE IX

Payment

The Consumer shall pay monthly, within thirty (30) days of billing, for the quantity of industrial processed water consumed during the calendar month; however, at no time shall the cummulative amount paid be a smaller fraction of the total year's contract price than the fraction of the year which has expired. Consumer, at its request, may make monthly payments of 1/12 minimum annual quantities with a six-month adjustment period.

ARTICLE X

Force Majeure

Section 1. The term "force majeure" as employed herein shall mean Act of God, strikes, lockouts, or other industrial disturbances, act of the public enemy, wars, blockades, insurrections, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, washouts, arrests and restraints, and orders of the government, either Federal or State, civil or military, civil disturbances, explosions, sabotage, malicious mischief, breakage or accident to machinery or lines of pipe, freezing of wells or lines of pipe, temporary failure of water supply, temporary or permanent plugging of injection wells, inability of any party hereto to obtain

necessary materials, supplies or permits due to existing or future rules, regulations, orders, laws or proclamations of governmental authorities (both Federal and State), including both civil and military, and any other causes, whether of the kind herein enumerated or otherwise, not reasonably within the control of the party claiming suspension of obligations by reason of force majeure.

Section 2. It is understood and agreed that the settlement of strikes or other labor difficulties shall be entirely within the discretion of the party having the difficulty and that any requirement that force majeure shall be remedied with all reasonable dispatch shall not require the settlement of labor difficulties by acceding to the demands of the opposing party when such course is inadvisable in the discretion of the party having the difficulty.

Section 3. In the event either party hereto is rendered unable, wholly or in part, by force majeure to carry out its obligations under this contract, it is agreed that such party shall give notice and full particulars of such force majeure in writing or by telegraph to the other party; thereupon, the obligations of the party giving the notice, so far as they are affected by force majeure, shall be suspended during, but no longer than, the continuance of the force majeure. The affected party shall use all reasonable means to remedy the force majeure, if possible, with all reasonable dispatch.

Section 4. It is specifically agreed that in the event Consumer is at any time rendered unable, by reason of any action or inaction by Federal or State governmental authorities or other force majeure, to inject into the North Hobbs (Grayburg-San Andres) Unit during any month a quantity of water equal to 1/12 of the current minimum annual contract quantity, such minimum annual contract quantity shall be reduced for the current year by the number of barrels Consumer is unable to inject during each such month. It is further agreed that if such disability continues for any period of six (6) consecutive months or more, Consumer shall have the right, at its option, to terminate this agreement effective upon written notice to the City thereof.

ARTICLE XI

Defaults

Section 1. It is covenanted and agreed that if either party hereto shall fail to perform any of the covenants or obligations imposed upon it under and by virtue of this contract, then in such event the other party hereto may, at its option, terminate this contract by proceeding as hereinafter provided.

Section 2. The party not in default shall cause a written notice to be served on the party in default stating specifically the cause for terminating this contract and declaring it to be the intention of the party giving the notice to terminate the same; whereupon, the party in default shall have thirty (30) days after the service of the aforesaid notice in which to remedy or remove the cause or causes stated in the notice for terminating the contract, and if within said period of thirty (30) days the party in default does so remedy or remove said cause, then such notice shall be withdrawn and this contract shall continue in full force and effect. In case the party in default does not so remedy or remove the cause or causes or does not indemnify the party giving the notice for any and all consequences of such breach, within said period of thirty (30) days, then, at the option of the party giving the notice, this contract shall become null and void from and after the expiration of said period.

Section 3. Any cancellation of this contract pursuant to the provisions of this Article XI shall be without prejudice to the right of the City to collect any amounts then due from the Consumer for industrial water delivered prior to the time of cancellation and shall be without prejudice to the right of the Consumer to receive any industrial water for which it has paid but has not received, although entitled thereto, prior to the time of cancellation, and without waiver of any remedy to which the party not in default may be entitled for violation of this contract.

ARTICLE XII

Miscellaneous

Section 1. Each party shall hold the other party harmless from any and all damages and claims that may arise by reason of any negligence

on the part of the indemnifying party, its agents or employees, in going about the premises in performance of this agreement; and in case any action is brought against such other party for any acts solely involving the employees or agents of the indemnifying party, the indemnifying party shall assume full responsibility for the defense thereof.

Section 2. Neither party to this agreement shall assign this agreement in whole or in part without the written consent of the other, provided that Consumer's rights and obligations hereunder may at any time be formally assigned and transferred to the current operator of the North Hobbs (Grayburg-San Andres) Unit.

Section 3. This agreement is executed by Shell Oil Company as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit, in Lea County, New Mexico, acting for and on behalf of the unit working interest owners. It is hereby agreed that unless on or before January 1, 1980, (a) said unit has become effective, (b) this agreement has been approved by said working interest owners and (c) all necessary rights of way have been obtained by the unit, this agreement shall then terminate and be of no further force or effect unless otherwise mutually agreed by the parties hereto. If it should appear to Consumer at any time substantially in advance of said date that said conditions will not be met, Consumer shall notify the City thereof and if requested by the City, this agreement shall then be terminated by mutual agreement of the parties.

Section 4. All notices required under this agreement shall be considered as given when deposited in the U. S. Mail with sufficient postage thereon and addressed as follows:

CITY MANAGER
CITY OF HOBBS
P. O. BOX 1117
HOBBS, NEW MEXICO 88240

SHELL OIL COMPANY
P. O. BOX 991
HOUSTON, TEXAS 77001

IN WITNESS WHEREOF, the parties hereto execute this agreement as of the day and year first above written.

CITY OF HOBBS
A Municipal Corporation

By: _____
MAYOR

Approved as to form:

_____
CITY ATTORNEY

ATTEST:

_____
CITY CLERK

SHELL OIL COMPANY, a corporation, as prospective operator of the proposed North Hobbs (Grayburg-San Andres) Unit

By: R. D. Howard
R. D. Howard
Division Production Manager
Mid-Continent Division

EXHIBIT 33

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 8563 Exhibit No. 33
Submitted by Shell
Hearing Date 10-3-79

PROPOSED

SPECIAL RULES AND REGULATIONS
FOR THE
NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
PRESSURE MAINTENANCE PROJECT

RULE 1. The project area of the North Hobbs (Grayburg-San Andres) Unit Pressure Maintenance Project shall consist of those basic project areas which are those proration units within the boundaries of the North Hobbs (Grayburg-San Andres) Unit upon which is located an injection well and any directly or diagonally offsetting proration unit which contains a producing well.

RULE 2. The project area shall receive a project area allowable, and said project area allowable shall be the sum of the basic project area allowable plus the water injection credit allowable.

RULE 3. The basic project area allowable shall be equal to 80 barrels of oil per day times the number of developed 40-acre proration units in the project area.

RULE 4. The water injection credit allowable shall be based upon the following formula:

$$\text{Water Injection Credit Allowable} = \left[\frac{\text{Net Water Injected}}{\text{Basic Project Area Allowable} \times \text{Reservoir Voidage}} - 1 \right] \times \text{Basic Project Area Allowable}$$

The water injection credit allowable shall be calculated in accordance with the procedures and parameters depicted on Attachments "A" and "B".

In no event shall the water injection credit allowable be less than zero, i.e., negative numbers derived from application of the above formula shall be ignored.

RULE 5. The weighted average project area reservoir pressure shall be determined prior to commencement of injection of water into the reservoir and at least annually thereafter.

RULE 6. The project area allowable may be produced from the wells within the project area in any proportion provided, however, that any proration unit situated on the boundary of the North Hobbs (Grayburg-San Andres) Unit which proration unit is not directly or diagonally offset by a Grayburg-San Andres injection well outside said North Hobbs Unit or on the North Hobbs Unit boundary shall not be permitted to produce in excess of 80 barrels of oil per day.

RULE 7. Those wells within the North Hobbs Unit Area that are not included within the project area as defined above shall be prorated in accordance with the Rules and Regulations of the Division.

RULE 8. The Division Director shall have authority to approve, without notice and hearing, the drilling of wells at unorthodox locations anywhere within the unit boundary, provided however, no unorthodox location

shall be closer than ten feet to any quarter-quarter section line, and provided further, that no such unorthodox location shall be closer than 330 feet to the outer boundary of the unit area, unless such well is covered by a lease-line agreement with the operator of the lands offsetting such well, and a copy of the lease-line agreement accompanies the application for such unorthodox location, or unless such offset operator has waived objection to the proposed unorthodox location in writing, and his waiver accompanies the application.

RULE 9. No well shall be placed on water injection in the North Hobbs Unit Area unless the Division Director has approved such well for injection. Applications for injection approval shall be filed in accordance with Rule 701 of the Division Rules and Regulations.

RULE 10. Each newly drilled injection or producing well shall be equipped as follows:

a. Minimum of 350 feet of surface casing and production casing run to total depth (approximately 4500 feet) or

b. Surface casing cemented below the "red beds" (approximately 1600 ft.) and "production" casing run to total depth (approximately 4500 feet) or

c. Other procedures may be used after receiving administrative approval of the Director of the Oil Conservation Division.

All casing strings shall be cemented to the surface except that in any well in which an intermediate casing string has been run and cemented to the surface, the "production" string may be cemented back into the base of the intermediate casing.

RULE 11. Injection shall be accomplished through tubing installed in a packer set within 100 feet of the uppermost perforation, or in case of an open hole completion, 100 feet above the casing shoe. The injection tubing shall be corrosion protected by a non-reactive internal lining or coating. The casing-tubing annulus in each injection well shall be filled with an inert fluid and a surface pressure gauge or approved leak detection device shall be attached to the annulus.

RULE 12. The injection wells or system shall be equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 0.2 psi per foot of depth to the injection zone. The Division Director may administratively authorize a pressure limitation in excess of the above upon showing by the unit operator that such higher pressure will not result in fracturing of the confining strata.

RULE 13. All wells within the project area shall be equipped with risers or in some other acceptable manner as to facilitate the periodic testing of the bradenhead for pressure or fluid production.

RULE 14. The unit operator shall immediately notify the Supervisor of the Hobbs District Office of the Division of the failure of the tubing or packer in any of said injection wells, the leakage of water or oil from or

around any producing well, the leakage of water or oil from or around any plugged and abandoned well within the project area, or any other evidence of fluid migration from the injection zone, and shall take such timely steps as may be necessary or required to correct such failure or leakage.

RULE 15. Prior to placing any well on injection, other than a newly drilled well drilled under provision of Rule 9, a cement bond log shall be run on said well. Copies of all cement bond logs shall be sent to the Hobbs District Office of the Division. If any well is found to have an inadequate casing-cement bond, such measures as may be necessary to prevent leakage or migration of fluids from the Grayburg-San Andres reservoir shall be taken before placing the well on injection.

Where multiple casing strings prevent technical interpretation of bonding, the cement bond will be deemed adequate when the log shows acoustic coupling with the formation. In addition, radioactive tracer surveys, or any other acceptable survey presently available or developed in the future, that show no fluid migration out of the Grayburg-San Andres reservoir will be acceptable evidence of bonding.

NORTH HOBBS (GRAYBURG-SAN ANDRES) UNIT
PRESSURE MAINTENANCE PROJECT

HOBBS (GRAYBURG-SAN ANDRES) POOL, LEA COUNTY, NEW MEXICO

WATER INJECTION CREDIT ALLOWABLE CALCULATION DATA

$$\text{Water Injection Credit Allowable} = \left[\frac{W_i - W_p}{BPAA \quad B_o + \frac{(R_p - R_s)}{(1{,}000)} B_g} - 1 \right] \times BPAA$$

W_i = _____ = Average daily water injection during previous month, barrels per day, project area only.

W_p = _____ = Average daily water produced during previous month, barrels per day, project area only.

BPAA = _____ = Basic project area allowable, 80 bopd x _____ (number of developed 40-acre tracts in project area).

P = _____ = Weighted average project area reservoir pressure, psig, from _____, 19__, survey data.

B_o = _____ = Oil formation volume factor, reservoir barrels per stock tank barrel (Attachment B).

R_p = _____ = Producing gas-oil ratio, cubic feet per barrel for previous month.

R_s = _____ = Solution gas-oil ratio, cubic feet per barrel (Attachment B).

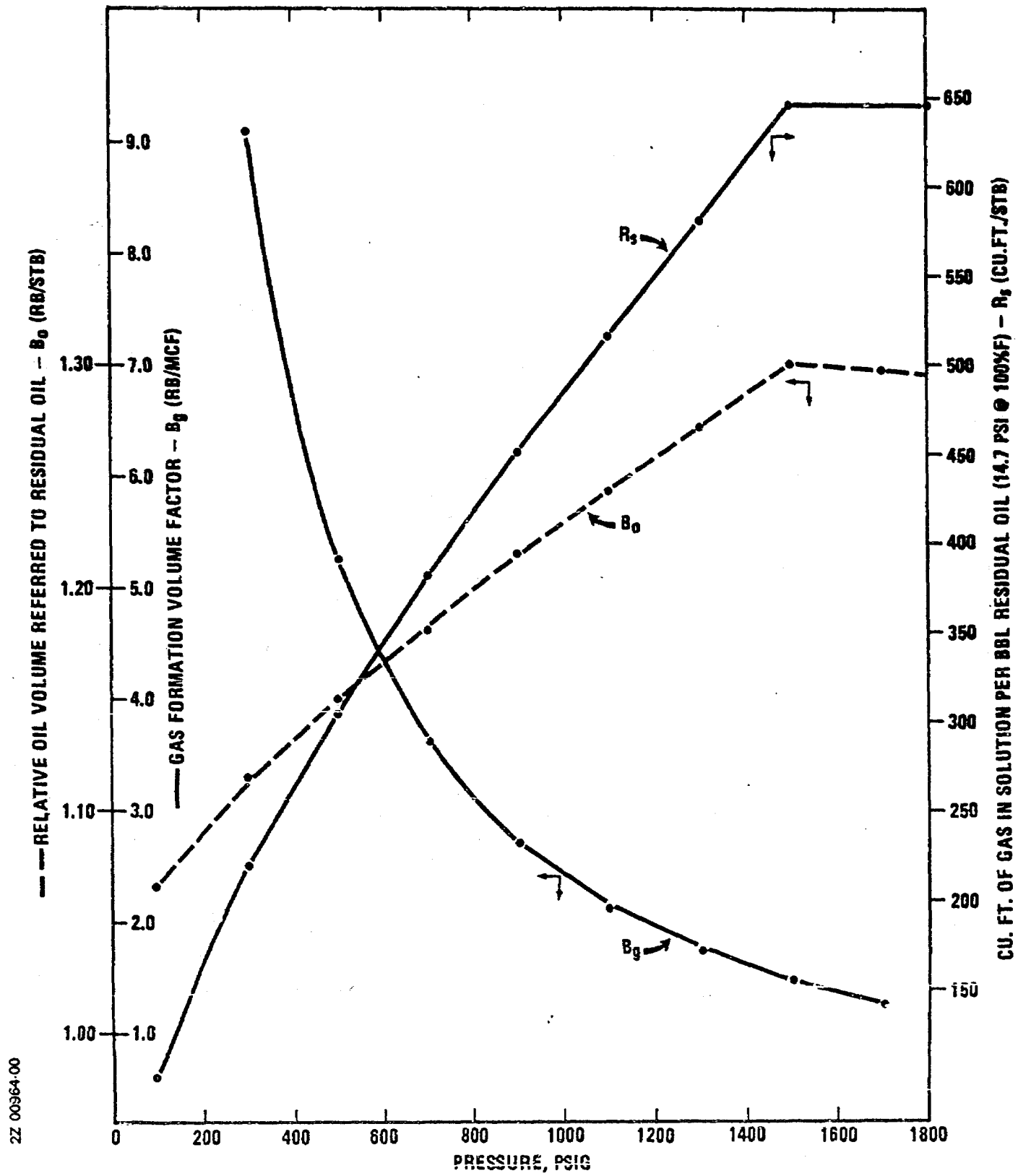
B_g = _____ = Gas formation volume factor, reservoir barrels per Mcf (Attachment B).

Water injection credit allowable for _____, 19__, = _____ barrels of oil per day.

ATTACHMENT A

OIL (B_o) AND GAS (B_g) FORMATION VOLUME FACTORS
AND GAS SOLUBILITY VS RESERVOIR PRESSURE

GRAYBURG–SAN ANDRES RESERVOIR
HOBBS FIELD
LEA COUNTY, NEW MEXICO



ATTACHMENT B

NORTH HOBBS (GRAYBURG – SAN ANDRES) UNIT
OIL & GAS ALLOCATION FORMULA

/

OIL ALLOCATION

PHASE I

– 20 PERCENT OF THE RATIO OF OIL PRODUCTION FOR YEAR 1976 FROM EACH TRACT TO THE TOTAL 1976 OIL PRODUCTION FROM ALL TRACTS

PLUS

– 80 PERCENT OF THE RATIO OF REMAINING PRIMARY OIL RESERVES AS OF JANUARY 1, 1977, OF EACH TRACT TO THE TOTAL REMAINING PRIMARY OIL RESERVES AS OF JANUARY 1, 1977 OF ALL TRACTS.

PHASE II

– 100 PERCENT OF THE RATIO OF THE REMAINING PRIMARY OIL RESERVE AS OF JANUARY 1, 1977 OF EACH TRACT TO THE TOTAL REMAINING PRIMARY OIL RESERVES OF ALL TRACTS.

PHASE III

– 100 PERCENT OF THE RATIO OF THE SECONDARY OIL RESERVES OF EACH TRACT TO THE SECONDARY OIL RESERVES OF ALL TRACTS.

GAS ALLOCATION

PHASE I

– 20 PERCENT OF GAS PRODUCTION FOR YEAR 1976 FROM EACH TR. TO THE TOTAL 1976 GAS PRODUCTION FROM ALL TRACTS.

PLUS

– 80 PERCENT OF THE RATIO OF REMAINING GAS RESERVES AS OF JANUARY 1, 1977 OF EACH TRACT TO THE TOTAL REMAINING GAS RESERVES AS OF JANUARY 1, 1977 OF ALL TRACTS.

PHASE II

– 100 PERCENT OF THE RATIO OF REMAINING GAS RESERVES AS OF JANUARY 1, 1977 OF EACH TRACT TO THE TOTAL REMAINING GAS RESERVES AS OF JANUARY 1, 1977 OF ALL TRACTS.

PHASE III

– 100 PERCENT OF THE RATIO OF SECONDARY OIL RESERVES OF EACH TRACT TO THE TOTAL OIL RESERVE OF ALL TRACTS.

DURATION OF PHASES

PHASE I

TO START AT DATE OF UNITIZATION AND CONTINUE UNTIL THE TOTAL OIL PRODUCTION FROM ALL TRACTS EQUALS 4,000,000 BARRELS.

PHASE II

TO START AT TERMINATION OF PHASE I AND TO CONTINUE UNTIL THE TOTAL OIL PRODUCTION FROM ALL TRACTS AFTER JANUARY 1, 1977 EQUALS 38,071,683 BARRELS.

PHASE III

TO START AT TERMINATION OF PHASE II AND TO CONTINUE FOR THE REMAINDER OF THE TERM OF UNITIZATION.

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5562 Exhibit No. 21
Submitted by Shell
Hearing Date 10-3-79

EXHIBIT
22

ORTH HOBBS (GRAYBURG - SAN ANDRES) UNIT
EXPENSE ALLOCATION

OPERATING EXPENSES

PHASE I - EXPENSES INCURRED DURING PHASE I TO BE SHARED IN PROPORTION TO PHASE I UNIT PARTICIPATION.

PHASE II - EXPENSES INCURRED DURING PHASE II TO BE SHARED IN PROPORTION TO PHASE II UNIT PARTICIPATION.

PHASE III - EXPENSES INCURRED DURING PHASE III TO BE SHARED IN PROPORTION TO PHASE III UNIT PARTICIPATION.

INVESTMENT EXPENSES

PHASE I AND PHASE II OR PRIOR TO INVESTMENT READJUSTMENT DATE

INVESTMENT EXPENSES INCURRED DURING PHASE I AND PHASE II AND PRIOR TO INVESTMENT READJUSTMENT DATE WILL BE SHARED ON INVESTMENT PARTICIPATION WHICH IS

.58 PHASE II UNIT PARTICIPATION
.42 PHASE III UNIT PARTICIPATION

PHASE III OR AFTER INVESTMENT READJUSTMENT DATE

INVESTMENT EXPENSES INCURRED DURING PHASE III OR AFTER INVESTMENT READJUSTMENT DATE WILL BE SHARED IN PROPORTION TO PHASE III UNIT PARTICIPATION.

INVENTORY VALUE

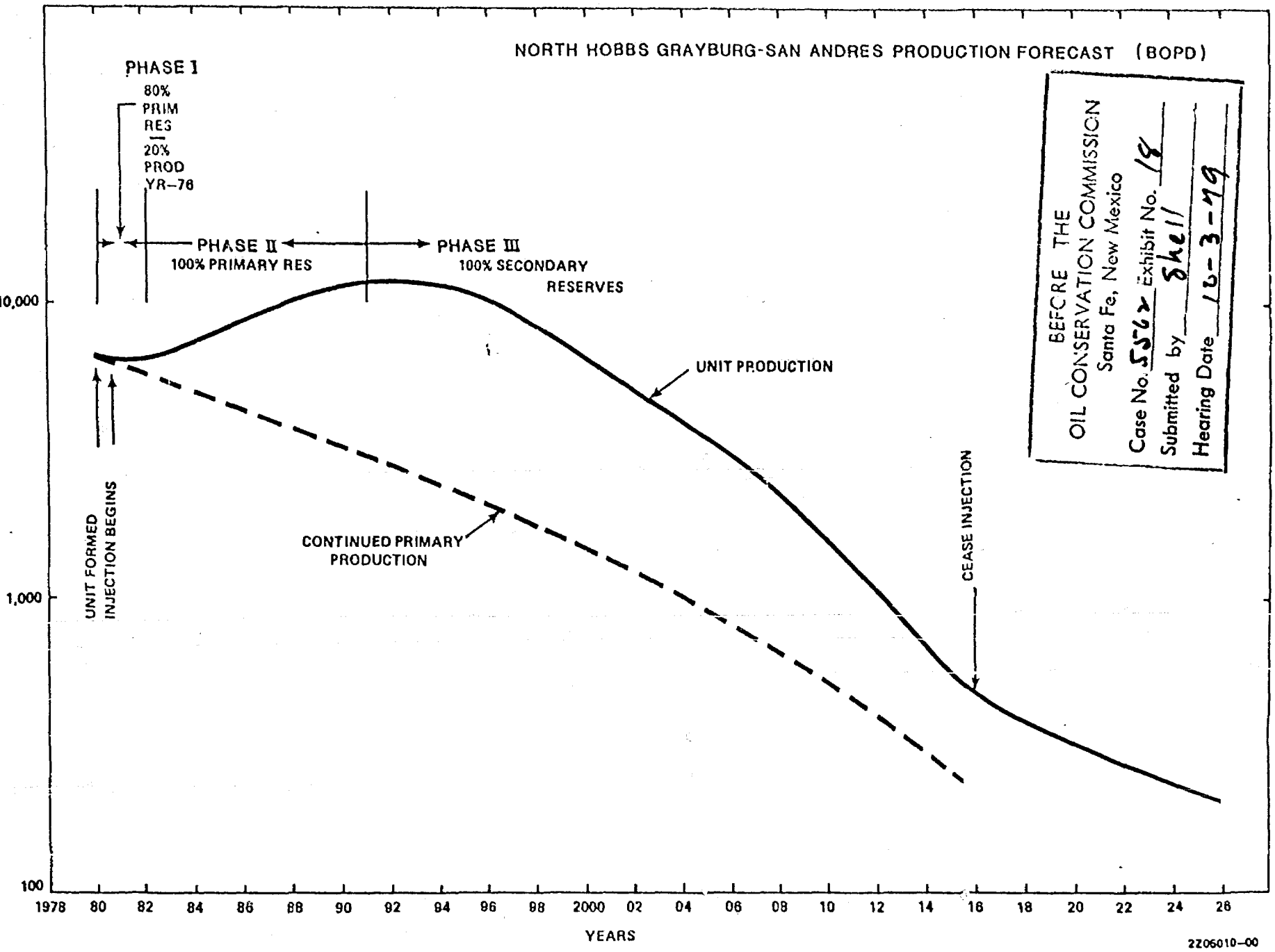
INITIALLY ADJUSTED TO INVESTMENT PARTICIPATION

READJUSTED AT INVESTMENT READJUSTMENT DATE TO PHASE III UNIT PARTICIPATION.

ADJUSTMENT OF INVESTMENT EXPENSES

AT THE TIME OF THE INVESTMENT READJUSTMENT DATE, INVESTMENT ACCOUNT WILL BE ADJUSTED FROM INVESTMENT PARTICIPATION TO PHASE III UNIT PARTICIPATION.

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5562 Exhibit No. 22
Submitted by Shell
Hearing Date 10-3-79



BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5576 Exhibit No. 18
Submitted by Shell
Hearing Date 10-3-19

EXHIBIT 18

SHELL EXHIBIT 19

NORTH HOBBS GRAYBURG-SAN ANDRES

RESERVES AND PROFITABILITY

		PRIMARY	UNIT (PRIM & SEC)	SECONDARY (DIFFERENCE)
RESERVES (MMB)		30.3	85.5	55.2
CAPITOL INVESTMENT (MM$)				
1980		—	27	27
1983–1990		—	6	6
			33	33
PROFITIBILITY BEFORE FIT				
UNDISCOUNTED				
	(MM$)	405	917	512
	(%)	—	—	1551
DISCOUNTED @ 10%				
	(MM$)	178	302	124
	(%)	—	—	421

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 5562 Exhibit No. 19
Submitted by Shell
Hearing Date 10-3-79

EXHIBIT —

2205020-00*

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico
19 September 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Shell Oil Company for statutory unitization, Lea County, New Mexico. CASE 6652

and

Application of Shell Oil Company for a pressure maintenance project, Lea County, New Mexico. CASE 6653

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation Division: Ernest L. Padilla, Esq.
Legal Counsel for the Division
State Land Office Bldg.
Santa Fe, New Mexico 87503

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
1020 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

MR. NUTTER: Call next Case Number 6652.

MR. PADILLA: Application of Shell Oil Company for statutory unitization, Lea County, New Mexico.

MR. NUTTER: And we'll also call Case Number 6653.

MR. PADILLA: Application of Shell Oil Company for a pressure maintenance project in Lea County, New Mexico.

MR. NUTTER: Case Number 6652 and 6653 will be continued to the Commission Hearing scheduled to be held at this same place at 9:00 o'clock a. m. October 3rd, 1979.

(Hearing concluded.)

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
[illegible] Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3010 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

REPORTER'S CERTIFICATE

I, SALLY W. BOYD, a court reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R.

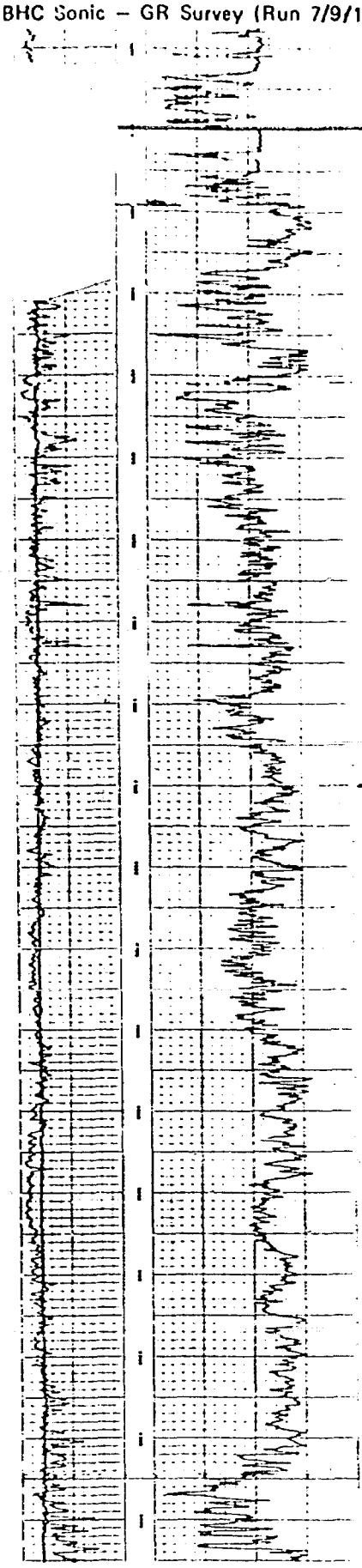
I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 6652-53 heard by me on 9/19 19 79.

Examiner
Oil Conservation Division

(1930' FNL & 660' FEL Sec. 32, T18S, R38E)

BHC Sonic – GR Survey (Run 7/9/1969)

EXHIBIT 2



3698' (–51') TOP OF UNITIZED INTERVAL

4500' BOTTOM OF UNITIZED INERVAL

NORTH HOBBS (G/SA) UNIT
WELL NUMBERS
CROSS - REFERENCE
BY UNIT WELL #

T18SR37E

N. Hobbs (G/SA) Unit Sec. 13

Unit Well #		
13-121	=	Continental - "B" State #5
13-131	=	Continental - "B" State #7
13-141	=	Continental - "B" State #2
13-211	=	Continental - "B" State #6
13-221	=	Continental - "B" State #4
13-241	=	Continental - "B" State #1
13-331	=	Shell - Rice #4
13-341	=	Shell - Rice #2
13-431	=	Shell - Rice #3
13-441	=	Shell - Rice #1

N. Hobbs (G/SA) Unit Sec. 14

Unit Well #		
14-231	=	Amerada Hess = "WHB" State #2
14-241	=	Gulf - "FO" State #1
14-321	=	Getty - "B" State #2
14-331	=	Tex. Pac. - "V" State #2
14-341	=	Amerada Hess - "WHB" State #1
14-421	=	Getty - "B" State #1
14-431	=	Tex. Pac. - "V" State #1
14-441	=	Estes. Engr. - State #1

N. Hobbs (G/SA) Unit Sec. 23

Unit Well #		
23-121	=	C&C Shipp - State #1
23-211	=	Tex. Pac. - "V" State #3
23-221	=	Tex. Pac. - "V" State #4
23-231	=	Tex. Pac. - "V" State #5
23-241	=	Tex. Pac. - "V" State #6
23-311	=	Shell - "F" State #3
23-321	=	Shell - "F" State #2
23-331	=	Yates - Shell - State #2
23-341	=	Yates - Shell - State #3
23-411	=	C. H. Sweet - "F" State #1-A
23-412	=	C. H. Sweet - "F" State #4
23-421	=	C. H. Sweet - "F" State #2-A
23-431	=	C. H. Sweet - "F" State #3
23-441	=	Yates - Shell - State #1

PRESSURE MAINTENANCE PROJECT
EXHIBIT "4" - Part 2

N. Hobbs (G/SA) Unit Sec. 24

Unit Well #		
24-111	=	Amerada Hess "E" State #2
24-121	=	Amerada Hess "E" State #1
24-131	=	Samedan "C" State #3
24-141	=	Samedan "C" State #4
24-211	=	Shell "D" State #2
24-221	=	Shell "D" State #1
24-231	=	Samedan "C" State #2
24-241	=	Samedan "C" State #1
24-311	=	Gulf Graham - State #4
24-321	=	Gulf Graham - State #3
24-331	=	Tex. Pac. "G" State #3
24-341	=	Tex. Pac. "G" State #4
24-411	=	Gulf Graham - State #6
24-412	=	Gulf Graham - State #2
24-421	=	Gulf Graham - State #5
24-422	=	Gulf Graham - State #1
24-431	=	Tex. Pac. "G" State #2
24-441	=	Tex. Pac. "G" State #1

N. Hobbs Unit (G/SA) Unit Sec. 25

Unit Well #		
25-111	=	Continental - "B-25" State #2
25-121	=	Samedan - "B" State #2
25-211	=	Continental - "B-25" State #1
25-221	=	Samedan - "B" State #1
25-231	=	Exxon - "A" State #6
25-241	=	Exxon - "A" State #9
25-311	=	Texaco - "C" State #4
25-321	=	Texaco - "C" State #3
25-331	=	Exxon - "A" State #8
25-341	=	Exxon - "A" State #5
25-411	=	Texaco - "C" State #1
25-421	=	Texaco - "C" State #2
25-431	=	Exxon - "A" State #1
25-441	=	Exxon - "A" State #7

N. Hobbs (G/SA) Unit Sec. 26

Unit Well #		
26-311	=	Wiser - "L" State #1
26-411	=	Skelly (Getty) "E" State #1

N. Hobbs (G/SA) Unit Sec. 36

Unit Well #		
36-211	=	Gulf - "D" State #1
36-311	=	Byron - Gulf Holt State #1
36-321	=	Amerada Hess - "C" State #3
36-411	=	Amerada Hess - "C" State #1
36-421	=	Amerada Hess - "C" State #2

T18SR384

N. Hobbs (G/SA) Unit Sec. 17

Unit Well #		
17-121	=	Moranco "T17" State #1
17-131	=	Chevron "17" State #1
17-141	=	Skelly (Getty) - "A" State #1

N. Hobbs (G/SA) Unit Sec. 18

Unit Well #		
18-131	=	Amerada Hess - Hardin #3
18-141	=	Amerada Hess - Hardin #1
18-231	=	Amerada Hess - Hardin #5
18-241	=	Amerada Hess - Hardin #2
18-311	=	Gulf - Hardin #7
18-321	=	Gulf - Hardin #4
18-331	=	Gulf - Hardin #5
18-341	=	Gulf - Hardin #9
18-342	=	Gulf - Hardin #1
18-411	=	Gulf - Hardin #8
18-421	=	Gulf - Hardin #6
18-431	=	Gulf - Hardin #3
18-441	=	Gulf - Hardin #2

N. Hobbs (G/SA) Unit Sec. 19

Unit Well #		
19-111	=	Cities Service - Hardin #5
19-112	=	Cities Service - Hardin #4
19-121	=	Cities Service - Hardin #2
19-131	=	Shell - "A" McKinley #7
19-141	=	Shell - "A" McKinley #1
19-211	=	Cities Service - Hardin #3
19-221	=	Cities Service - Hardin #1
19-231	=	Shell - "A" McKinley #6
19-241	=	Shell - "A" McKinley #4
19-242	=	Shell - "A" McKinley #11
19-311	=	Getty - Hardin #3
19-321	=	Getty - Hardin #1
19-331	=	Shell - "A" McKinley #5
19-341	=	Shell - "A" McKinley #2
19-411	=	Getty - Hardin #4
19-421	=	Getty - Hardin #2
19-431	=	Shell - "A" McKinley #10
19-441	=	Shell - "A" McKinley #3

N. Hobbs (G/SA) Unit Sec. 20

Unit Well #		
#20-111	=	Skelly (Getty) - McKinley #1
#20-121	=	Chevron - McKinley #2
#20-131	=	Shell - "B" McKinley #5
#20-141	=	Shell - "B" McKinley #3

N. Hobbs (G/SA) Unit Sec. 20 (Continued)

Unit Well		
#20-221	=	Chevron - McKinley #1
20-231	=	Shell - "B" McKinley #1
20-232	=	Shell - "B" McKinley #4
20-241	=	Shell - "B" McKinley #2
20-331	=	Bill Sweet - "B" US #2-A
20-341	=	Atlantic - Grimes #1
20-421	=	C. H. Sweet - McKinley B #2
20-431	=	C. H. Sweet - Grimes #1-A
20-432	=	C. H. Sweet - Grimes #3-A

N. Hobbs (G/SA) Unit Sec. 21

Unit Well		
#21-131	=	Gulf - "C" Grimes #3
21-141	=	Gulf - "C" Grimes #1
21-241	=	Gulf - "C" Grimes #2
21-331	=	Antwiel - Hobbs CT #1
21-341	=	Wiser - Morris "A" #1
21-441	=	Wiser - Morris "B" #1

N. Hobbs (G/SA) Unit Sec. 27

Unit Well		
#27-111	=	Shell - Sanger #6
27-121	=	Shell - Sanger #4
27-131	=	Shell - Sanger #3
27-141	=	Shell - Sanger #1
27-231	=	Sehll - Sanger #5
27-241	=	Shell - Sanger #2

N. Hobbs (G/SA) Unit Sec. 28

Unit Well		
#28-111	=	Atlantic - Grimes SOC #3
28-121	=	Atlantic - Grimes SOC #1
28-131	=	Shell - Grimes #2
28-132	=	Shell - Grimes #10
28-141	=	Shell - Grimes #1
28-211	=	Atlantic - Grimes SOC #4
28-221	=	Atlantic - Grimes SOC #2A
28-231	=	Shell - Grimes #3
28-241	=	Shell - Grimes #4
28-311	=	Samedan - "A" Moon #2
28-321	=	Samedan - "A" Moon #1
28-331	=	Continental - Grimes #3
28-341	=	Continental - Grimes #1
28-411	=	Samedan - "B" Moon #2
28-421	=	Samedan - "B" Moon #1
28-431	=	Continental - Grimes #4
28-441	=	Continental - Grimes #2

N. Hobbs (G/SA) Unit Sec. 29

Unit Well		
#29-111	=	Exxon - U.S.A.M.R. Bowers #35
29-121	=	Exxon - U.S.A.M.R. Bowers #7
29-131	=	Exxon - U.S.A.M.R. Bowers #10
29-141	=	Exxon - U.S.A.M.R. Bowers #3
29-211	=	Amerada Hess - "B" Hobbs State #4
29-221	=	Amerada Hess - "B" Hobbs State #1
29-231	=	Continental "A-29" State #3
29-241	=	Continental "A-29" State #2
29-311	=	Amerada Hess "B" Hobbs State #3
29-321	=	Amerada Hess "B" Hobbs State #2
29-331	=	Continental "A-29" State #1
29-341	=	Chevron "A" State #4
29-411	=	Exxon - Grimes #1
29-421	=	Getty - Grimes #4
29-431	=	Getty - Grimes #3
29-441	=	Chevron - "A" State #3

N. Hobbs (G/SA) Unit Sec. 30

Unit Well		
#30-111	=	Amerada Hess - McKinley #1
30-121	=	Amerada Hess - McKinley #4
30-131	=	Marathon - State #3
30-141	=	Marathon - State #9
30-211	=	Amerada Hess - McKinley #3
30-221	=	Amerada Hess - McKinley #2
30-231	=	Marathon - State #1
30-241	=	Marathon - State #2
30-311	=	Getty - McKinley #4
30-321	=	Getty - McKinley #1
30-331	=	Exxon "A" USA Bowers #2
30-341	=	Exxon "A" USA Bowers #36
30-342	=	Exxon "A" USA Bowers #8
30-411	=	Getty - McKinley #5
30-412	=	Getty - McKinley #11
30-421	=	Getty - McKinley #2
30-431	=	Exxon "A" USA Bowers #5
30-441	=	Exxon "A" USA Bowers #4

N. Hobbs (G/SA) Unit Sec. 31

Unit Well		
#31-111	=	Sun - Fowler #1
31-121	=	Sun - Fowler #4
31-131	=	Mobil - Berry #3
31-141	=	Mobil - Berry #4
31-211	=	Skelly (Getty) - Fowler #1
31-221	=	Skelly (Getty) - Fowler #2
31-231	=	Mobil - Berry #1
31-241	=	Mobil - Berry #2
31-311	=	Cities Service - Fowler #2

N. Hobbs (G/SA) Unit Sec. 31 (Cont'd)

Unit Well #		
31-321	=	Cities Service - Fowler #3
31-331	=	Shell - Berry #2
31-341	=	Shell - Berry #4
31-411	=	Cities Service - Fowler #1
31-412	=	Cities Service - Fowler #9
31-421	=	Cities Service - Fowler #4
31-431	=	Shell - Berry #3
31-441	=	Shell - Berry #1

N. Hobbs (G/SA) Unit Sec. 32

Unit Well #		
32-111	=	Gulf - "NCT-A" Grimes #10
32-112	=	Gulf - "NCT-A" Grimes #8
32-121	=	Gulf - "NCT-A" Grimes #19
32-131	=	Gulf - "NCT-A" Grimes #9
32-141	=	Gulf - "NCT-A" Grimes #5
32-211	=	Gulf - "NCT-A" Grimes #7
32-221	=	Gulf - "NCT-A" Grimes #2
32-231	=	Gulf - "NCT-A" Grimes #3
32-232	=	Gulf - "NCT-A" Grimes #20
32-241	=	Gulf - "NCT-A" Grimes #15
32-311	=	Amerada Hess "A" State #1
32-321	=	Shell - "A" State #2
32-322	=	Shell - "A" State #4
32-331	=	Marathon - State #4
32-341	=	Marathon - State #5
32-411	=	Amerada Hess - "A" State #2
32-421	=	Shell - "A" State #3
32-431	=	Marathon - State #3
32-441	=	Marathon - State #2

N. Hobbs (G/SA) Unit Sec. 33

Unit Well #		
33-111	=	Shell - "B" State #1
33-121	=	Amoco - "G" State #1
33-131	=	Continental "A-33" State #2
33-141	=	Continental "A-33" State #1
33-211	=	Shell - "B" State #2
33-221	=	Amoco - "G" State #2
33-231	=	Continental - "A-33" State #3
33-241	=	Continental - "A-33" State #6
33-311	=	Gulf - "B" Grimes #3
33-321	=	Continental - "A-33" State #7
33-331	=	Continental - "A-33" State #4
33-341	=	Continental - "A-33" State #5
33-411	=	Gulf - "B" Grimes #4
33-421	=	Gulf - "B" Grimes #2
33-431	=	Gulf - "B" Grimes #1

N. Hobbs (G/SA) Unit Sec. 34

Unit Well #		
34-211	=	Skelly (Getty) - Turner #2
34-221	=	Skelly (Getty) - Turner #1
34-311	=	Shell - Turner #2
34-321	=	Shell - Turner #1
34-331	=	Samedan - "A" Turner #1
34-341	=	Samedan - "A" Turner #2
34-421	=	Moranco - Hobbs #1
34-431	=	Samedan - "B" Turner #1
34-441	=	Samedan - "B" Turner #2

NORTH HOBBS (G/SA) UNIT
WELL NUMBERS
CROSS - REFERENCE
BY CURRENT OPERATOR/WELL #

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Amerada Hess	Hardin	1	M	=	18	-	18-141
Amerada Hess	Hardin	2	N	=	18	-	18-241
Amerada Hess	Hardin	3	L	=	18	-	18-131
Amerada Hess	Hardin	5	K	=	18	-	18-231
Amerada Hess	McKinley	1	D	=	30	-	30-111
Amerada Hess	McKinley	2	F	=	30	-	30-221
Amerada Hess	McKinley	3	C	=	30	-	30-211
Amerada Hess	McKinley	4	E	=	30	-	30-121
Amerada Hess	State "A"	1	B	=	32	-	32-311
Amerada Hess	State "A"	2	A	=	32	-	32-411
Amerada Hess	State "B"	1	F	=	29	-	29-221
Amerada Hess	State "B"	2	G	=	29	-	29-321
Amerada Hess	State "B"	3	B	=	29	-	29-311
Amerada Hess	State "B"	4	C	=	29	-	29-211
Amerada Hess	State "C"	1	A	=	36	-	36-411
Amerada Hess	State "C"	2	H	=	36	-	36-421
Amerada Hess	State "C"	3	G	=	36	-	36-321
Amerada Hess	State "E"	1	E	=	24	-	24-121
Amerada Hess	State "E"	2	D	=	24	-	24-111
Amerada Hess	State "WHB"	1	O	=	14	-	14-341
Amerada Hess	State "WHB"	2	K	=	14	-	14-231
Amoco	State "G"	1	E	=	33	-	33-121
Amoco	State "G"	2	F	=	33	-	33-221
Antwiel	Hobbs "CT"	1	J	=	21	-	21-331
Atlantic	Grimes	1	O	=	20	-	20-341
Atlantic	Grimes "SOC"	1	E	=	28	-	28-121
Atlantic	Grimes "SOC"	2A	F	=	28	-	28-221
Atlantic	Grimes "SOC"	3	D	=	28	-	28-111
Atlantic	Grimes "SOC"	4	C	=	28	-	28-211
Byrom	Gulf Holt-State	1	B	=	36	-	36-311
Chevron	McKinley	1	F	=	20	-	20-221
Chevron	McKinley	2	E	=	20	-	20-121
Chevron	State "17"	1	L	=	17	-	17-131
Chevron	State "29"	3	P	=	29	-	29-441
Chevron	State "29"	4	O	=	29	-	29-341
Cities Service	Fowler	1	A	=	31	-	31-411
Cities Service	Fowler	2	B	=	31	-	31-311
Cities Service	Fowler	3	G	=	31	-	31-321
Cities Service	Fowler	4	H	=	31	-	31-421
Cities Service	Fowler	9	A	=	31	-	31-412
Cities Service	Hardin	1	F	=	19	-	19-221
Cities Service	Hardin	2	E	=	19	-	19-121
Cities Service	Hardin	3	C	=	19	-	19-211

PRESSURE MAINTENANCE PROJECT
EXHIBIT "4" - Part 3

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Cities Service	Hardin	4	D	=	19	-	19-112
Cities Service	Hardin	5	D	=	19	-	19-111
Continental	Grimes	1	O	=	28	-	28-341
Continental	Grimes	2	P	=	28	-	28-441
Continental	Grimes	3	J	=	28	-	28-331
Continental	Grimes	4	I	=	28	-	28-431
Continental	State "A29"	1	J	=	29	-	29-331
Continental	State "A29"	2	N	=	29	-	29-241
Continental	State "A29"	3	K	=	29	-	29-231
Continental	State "A33"	1	M	=	33	-	33-141
Continental	State "A33"	2	L	=	33	-	33-131
Continental	State "A33"	3	K	=	33	-	33-231
Continental	State "A33"	4	J	=	33	-	33-331
Continental	State "A33"	5	O	=	33	-	33-341
Continental	State "A33"	6	N	=	33	-	33-241
Continental	State "A33"	7	G	=	33	-	33-321
Continental	State "B-13"	1	N	=	13	-	13-241
Continental	State "B-13"	2	M	=	13	-	13-141
Continental	State "B-13"	4	F	=	13	-	13-221
Continental	State "B-13"	5	E	=	13	-	13-121
Continental	State "B-13"	6	C	=	13	-	13-211
Continental	State "B-13"	7	L	=	13	-	13-131
Continental	State "B25"	1	C	=	25	-	25-211
Continental	State "B25"	2	D	=	25	-	25-111
Mobil	Berry	1	K	=	31	-	31-231
Mobil	Berry	2	N	=	31	-	31-241
Mobil	Berry	3	L	=	31	-	31-131
Mobil	Berry	4	M	=	31	-	31-141
Exxon	Bowers A Fed.	2	J	=	30	-	30-331
Exxon	Bowers A Fed.	3	M	=	29	-	29-141
Exxon	Bowers A Fed.	4	P	=	30	-	30-441
Exxon	Bowers A Fed.	5	I	=	30	-	30-431
Exxon	Bowers A Fed.	7	E	=	29	-	29-121
Exxon	Bowers A Fed.	8	O	=	30	-	30-342
Exxon	Bowers A Fed.	10	L	=	29	-	29-131
Exxon	Bowers A Fed.	36	O	=	30	-	30-341
Exxon	Bowers A Fed. Com.	35	D	=	29	-	29-111
Exxon	Grimes	1	A	=	29	-	29-411
Exxon	New Mexico State	1	I	=	25	-	25-431
Exxon	New Mexico State	5	O	=	25	-	25-341
Exxon	New Mexico State	6	K	=	25	-	25-231
Exxon	New Mexico State	7	P	=	25	-	25-441
Exxon	New Mexico State	8	J	=	25	-	25-331
Exxon	New Mexico State	9	N	=	25	-	25-241
Getty	Grimes	3	I	=	29	-	29-431
Getty	Grimes	4	H	=	29	-	29-421
Getty	Hardin	1	G	=	19	-	19-321
Getty	Hardin	2	H	=	19	-	19-421

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Getty	Hardin	3	B	=	19	-	19-311
Getty	Hardin	4	A	=	19	-	19-411
Getty	McKinley	1	G	=	30	-	30-321
Getty	McKinley	2	H	=	30	-	30-421
Getty	Mckinley	4	B	=	30	-	30-311
Getty	McKinley	5	A	=	30	-	30-411
Getty	McKinley	11	A	=	30	-	30-412
Getty	State "B"	1	H	=	14	-	14-421
Getty	State "B"	2	G	=	14	-	14-321
Getty	Fowler	1	C	=	31	-	31-211
Getty	Fowler	2	F	=	31	-	31-221
Getty	Hobbs "E"	1	A	=	26	-	26-411
Getty	McKinley	1	D	=	20	-	20-111
Getty	State "A"	1	M	=	17	-	17-141
Getty	Turner	1	F	=	34	-	34-221
Getty	Turner	2	C	=	34	-	34-211
Gulf	Graham State "A"	1	H	=	24	-	24-422
Gulf	Graham State "A"	2	A	=	24	-	24-412
Gulf	Graham State "A"	3	G	=	24	-	24-321
Gulf	Graham State "A"	4	B	=	24	-	24-311
Gulf	Graham State "A"	5	H	=	24	-	24-421
Gulf	Graham State "A"	6	A	=	24	-	24-411
Gulf	Grimes "A"	2	F	=	32	-	32-221
Gulf	Grimes "A"	7	C	=	32	-	32-211
Gulf	Grimes "A"	8	E	=	32	-	32-112
Gulf	Grimes "A"	10	D	=	32	-	32-111
Gulf	Grimes "A"	19	E	=	32	-	32-121
Gulf	Grimes "A" No. 2	3	K	=	32	-	32-231
Gulf	Grimes "A" No. 2	5	M	=	32	-	32-141
Gulf	Grimes "A" No. 2	9	L	=	32	-	32-131
Gulf	Grimes "A" No. 2	15	N	=	32	-	32-241
Gulf	Grimes "A" No. 2	20	K	=	32	-	32-232
Gulf	Grimes "B"	1	I	=	33	-	33-431
Gulf	Grimes "B"	2	H	=	33	-	33-421
Gulf	Grimes "B"	3	B	=	33	-	33-311
Gulf	Grimes "B"	4	A	=	33	-	33-411
Gulf	Grimes "C"	1	M	=	21	-	21-141
Gulf	Grimes "C"	2	N	=	21	-	21-241
Gulf	Grimes "C"	3	L	=	21	-	21-131
Gulf	Hardin	1	O	=	18	-	18-342
Gulf	Hardin	2	P	=	18	-	18-441
Gulf	Hardin	3	I	=	18	-	18-431
Gulf	Hardin	4	G	=	18	-	18-321
Gulf	Hardin	5	J	=	18	-	18-331
Gulf	Hardin	6	H	=	18	-	18-421
Gulf	Hardin	7	B	=	18	-	18-311
Gulf	Hardin	8	A	=	18	-	18-411
Gulf	Hardin	9	O	=	18	-	18-341

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Gulf	Holt NCT - D	1	C	=	36	-	36-211
Gulf	Lea FO State	1	N	=	14	-	14-241
Marathon	State 30	1	K	=	30	-	30-231
Marathon	State 30	2	N	=	30	-	30-241
Marathon	State 30	3	L	=	30	-	30-131
Marathon	State 30	9	M	=	30	-	30-141
Marathon	State 32	2	P	=	32	-	32-441
Marathon	State 32	3	I	=	32	-	32-431
Marathon	State 32	4	J	=	32	-	32-331
Marathon	State 32	5	O	=	32	-	32-341
Moran	Hobbs	1	H	=	34	-	34-421
Moran	State "T17"	1	E	=	17	-	17-121
C&C Shipp	"A"	1	E	=	23	-	23-121
Sun	Fowler	1	D	=	31	-	31-111
Sun	Fowler	4	E	=	31	-	31-121
Samedan	Moon "A"	1	G	=	28	-	28-321
Samedan	Moon "A"	2	B	=	28	-	28-311
Samedan	Moon "B"	1	H	=	28	-	28-421
Samedan	Moon "B"	2	A	=	28	-	28-411
Samedan	State "B"	1	F	=	25	-	25-221
Samedan	State "B"	2	E	=	25	-	25-121
Samedan	State "C"	1	N	=	24	-	24-241
Samedan	State "C"	2	K	=	24	-	24-231
Samedan	State "C"	3	L	=	24	-	24-131
Samedan	State "C"	4	M	=	24	-	24-141
Samedan	Turner "A"	1	J	=	34	-	34-331
Samedan	Turner "A"	2	O	=	34	-	34-341
Samedan	Turner "B"	1	I	=	34	-	34-431
Samedan	Turner "B"	2	P	=	34	-	34-441
Shell	Berry	1	P	-	31	-	31-441
Shell	Berry	2	J	=	31	-	31-331
Shell	Berry	3	I	=	31	-	31-431
Shell	Berry	4	O	=	31	-	31-341
Shell	Grimes	1	M	=	28	-	28-141
Shell	Grimes	2	L	=	28	-	28-131
Shell	Grimes	3	K	=	28	-	28-231
Shell	Grimes	4	N	=	28	-	23-241
Shell	Grimes	10	L	=	28	-	28-132
Shell	McKinley "A"	1	M	=	19	-	19-141
Shell	McKinley "A"	2	O	=	19	-	19-341
Shell	McKinley "A"	3	B	=	19	-	19-441
Shell	McKinley "A"	4	N	=	19	-	19-241
Shell	McKinley "A"	5	J	=	19	-	19-331
Shell	McKinley "A"	6	K	=	19	-	19-231
Shell	McKinley "A"	7	L	=	19	-	19-131
Shell	McKinley "A"	10	I	=	19	-	19-431
Shell	McKinley "A"	11	N	=	19	-	19-242
Shell	McKinley "B"	1	K	=	20	-	20-231

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Shell	McKinley "B"	2	N	=	20	-	20-241
Shell	McKinley "B"	3	M	=	20	-	20-141
Shell	McKinley "B"	4	K	=	20	-	20-232
Shell	McKinley "B"	5	L	=	20	-	20-131
Shell	Rice	1	P	=	13	-	13-441
Shell	Rice	2	O	=	13	-	13-341
Shell	Rice	3	I	=	13	-	13-431
Shell	Rice	4	J	=	13	-	13-331
Shell	Sanger	1	M	=	27	-	27-141
Shell	Sanger	2	N	=	27	-	27-241
Shell	Sanger	3	L	=	27	-	27-131
Shell	Sanger	4	E	=	27	-	27-121
Shell	Sanger	5	K	=	27	-	27-231
Shell	Sanger	6	D	=	27	-	27-111
Shell	State "A"	2	G	=	32	-	32-321
Shell	State "A"	3	H	=	32	-	32-421
Shell	State "A"	4	G	=	32	-	32-322
Shell	State "B"	1	D	=	33	-	33-111
Shell	State "B"	2	C	=	33	-	33-211
Shell	State "D"	1	F	=	24	-	24-221
Shell	State "D"	2	C	=	24	-	24-211
Shell	State "F"	2	G	=	23	-	23-321
Shell	State "F"	3	B	=	23	-	23-311
Shell	Turner	1	G	=	34	-	34-321
Shell	Turner	2	B	=	34	-	34-311
Bill Sweet	Bowers "B"	2A	J	=	20	-	20-331
C. H. Sweet	Grimes	1A	I	=	20	-	20-431
C. H. Sweet	Grimes	3A	I	=	20	-	20-432
C. H. Sweet	McKinley "B"	2	H	=	20	-	20-421
C. H. Sweet	State "F"	1A	A	=	23	-	23-411
C. H. Sweet	State "F"	2A	H	=	23	-	23-421
C. H. Sweet	State "F"	3	I	=	23	-	23-431
C. H. Sweet	State "F"	4	A	=	23	-	23-412
Texaco	New Mexico St. "C"	1	A	=	25	-	25-411
Texaco	New Mexico St. "C"	2	H	=	25	-	25-421
Texaco	New Mexico St. "C"	3	G	=	25	-	25-321
Texaco	New Mexico St. "C"	4	B	=	25	-	25-311
Tex. Pac.	State "G"	1	P	=	24	-	24-441
Tex. Pac.	State "G"	2	I	=	24	-	24-431
Tex. Pac.	State "G"	3	J	=	24	-	24-331
Tex. Pac.	State "G"	4	O	=	24	-	24-341
Tex. Pac.	State "V"	1	I	=	14	-	14-431
Tex. Pac.	State "V"	2	J	=	14	-	14-331
Tex. Pac.	State "V"	3	C	=	23	-	23-211
Tex. Pac.	State "V"	4	F	=	23	-	23-221
Tex. Pac.	State "V"	5	K	=	23	-	23-231
Tex. Pac.	State "V"	6	N	=	23	-	23-241
Wiser	Morris "A"	1	O	=	21	-	21-341

Operator	Lease Name	Well #	Unit Letter		Sec.		Unit Well #
Wiser	Morris "B"	1	P	=	21	-	21-441
Wiser	State "L"	1	B	=	26	-	26-311
Yates	Shell - State	1	P	=	23	-	23-441
Yates	Shell - State	2	J	=	23	-	23-331
Yates	Shell - State	3	O	=	23	-	23-341
Estes (Yeager)	State	1	P	=	14	-	14-441

PROPOSED NORTH HOBBS (G-SA) UNIT
PROPOSED FOR CONVERSION TO INJECTION

OPERATOR-LEASE	WELL NUMBER	PROPOSED WELL NUMBER
Amerada Hess		
Hardin	1	18-141
State "C"	1	36-411
State "C"	3	36-321
State "E"	1	24-121
State WH "B"	1	14-341
State WH "B"	2	14-231
Antweil		
Hobbs Cone Townsite	1	21-331
Atlantic		
Grimes "SOC"	2A	28-221
Grimes "SOC"	3	28-111
C&C Operating Corp.		
Shipp "A"	1	23-121
Chevron		
State "17"	1	17-131
Cities Service		
Fowler	2	31-311
Hardin	5	19-111
Continental		
Grimes	4	28-431
State "A-29"	1	29-331
State "B-13"	2	13-141
State "B-13"	4	13-221
Exxon		
Bowers "A" Fed. Com.	35	29-111
Grimes	1	29-411
New Mexico "A" State	1	25-431
New Mexico "A" State	5	25-341
New Mexico "A" State	6	25-231
Getty		
Fowler	1	31-211
Hardin	3	19-311
Hardin	4	19-411
Hobbs "E"	1	26-411
State "B"	2	14-321

PRESSURE MAINTENANCE PROJECT
EXHIBIT "5"

OPERATOR-LEASE	WELL NUMBER	PROPOSED WELL NUMBER
Gulf		
Grimes "B"	4	33-411
Hardin	5	18-331
Hardin	6	18-421
Hardin	7	18-311
Hardin	9	18-341
Holt NCT "D"	1	36-211
Marathon		
State 30	9	30-141
Mobil		
Berry	4	31-141
Moran		
Hobbs	1	34-421
Samedan		
State "B"	2	25-121
Shell		
Grimes	3	28-231
McKinley "B"	4	20-232
Rice	3	13-431
Sanger	6	27-111
State "D"	2	24-211
State "F"	2	23-321
Sun		
Fowler	4	31-121
Bill Sweet		
Bowers "B"	2-A	20-331
C. H. Sweet		
McKinley "B"	2	20-421
State "A"	1-A	23-411
State "F"	3	23-431
Texas Pacific		
State "V"	1	14-431
State "V"	3	23-211
State "V"	5	23-231
Yates		
Shell State	3	23-341

PROPOSED NORTH HOBBS (G-SA) UNIT
PROPOSED FOR CONVERSION TO INJECTION

Propoed Well Number	Operator-Lease	Well Number
13-141	Conoco St. "B-13"	2
13-221	Conoco St. "B-13"	4
13-431	Shell Rice	3
14-231	Amerada WH "B"	2
14-321	Getty State "B"	2
14-341	Amerada WH "B"	1
14-431	Texas Pacific State "V"	1
17-131	Chevron State "17"	1
18-141	Amerada Hardin	1
18-311	Gulf Hardin	7
18-331	Gulf Hardin	5
18-341	Gulf Hardin	9
18-421	Gulf Hardin	6
19-111	Cities Services Hardin	5
19-311	Getty Hardin	3
19-411	Getty Hardin	4
20-232	Shell McKinley "B"	4
20-331	Bill Sweet Bowers "B"	2-A
20-421	C. H. Sweet McKinley "B"	2
21-331	Antweil Hobbs Cone Townsite	1
23-121	C&C Operating Corp. Shipp "A"	1
23-211	Texas Pacific State "V"	3
23-231	Texas Pacific State "V"	5
23-321	Shell State "F"	2
23-341	Yates Shell State	3
23-411	C. H. Sweet State "F"	1-A
23-431	C. H. Sweet State "F"	3
24-121	Amerada State "E"	1
24-211	Shell State "D"	2
25-121	Samedan State "B"	2
25-231	Exxon New Mexico "A" State	6
25-341	Exxon New Mexico "A" State	5
25-431	Exxon New Mexico "A" State	1
2 26-411	Getty Hobbs "E"	1

Proposed Well Number	Operator-Lease	Well Number
2 27-111	Shell Sanger	6
28-111	Atlantic Grimes "SOC"	3
28-221	Atlantic Grimes "SOC"	2A
28-231	Shell Grimes	3
28-431	Conoco Grimes	4
29-111	Exxon Bowers "A" Fed. Com.	35
29-331	Conoco State "A-29"	1
29-411	Exxon Grimes	1
30-141	Marathon State 30	9
31-121	Sun Fowler	4
31-141	Mobil Berry	4
31-211	Getty Fowler	1
31-311	Cities Service Fowler	2
33-411	Gulf Grimes "B"	4
34-421	Moran Hobbs	1
36-211	Gulf Holt NCT "D"	1
36-321	Amerada State "C"	3
36-411	Amerada State "C"	1

WR-3196 D

PROPOSED WELL NO. 18-141

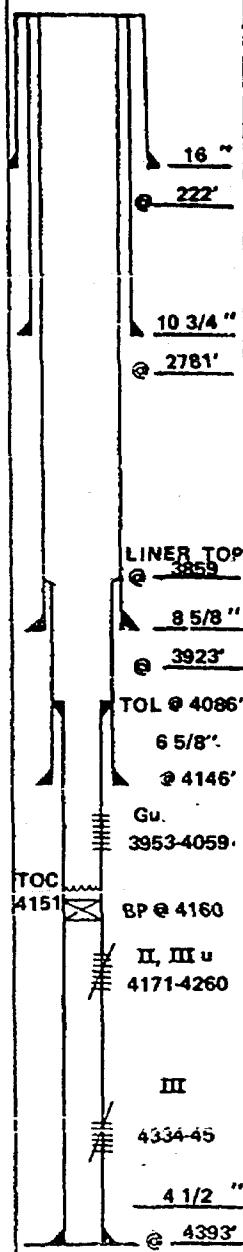
COMPLETION DATE 6-16-32 — AMERADA HARDIN NO. 1 — COMPLETION INTERNAL: 3953-4059(G)

RECOMPLETION DATE Deep. 9/40, 1/69, TA 1/76 — HOBBS (G-SA) UNIT

LOCATION 330' FSL & 330 FWL — SECTION 18M — BLOCK

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

DATUM 3673 [DF] G.L. ELEV. — TD 4395' — PBTD 4151' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
16"	70#	222	250	Circ.*	18-1/2"*
10 3/4"	45#	2781	450	1656 *	13-1/2"**
8 5/8"	32#	3923	275	2133 *	10" **
6 5/8" liner		3859/4146	50	3859 *	8-1/4"**
4½" liner		4086/4393	100	4086 *	6-1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3946	-273
GL	4044	-371
I	4059	-386
II	4140	-467
IIIu	4205	-532
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/32		*3925-4158	OH
9/40		*4146-4219	OH
1/69	III	*4334-38, 4343-45	2 JPF
1/69	II, IIIu	*4171-74, 4210-12, 4230-40, 4254-60	2 JPF
1/75	Gu	3953-65, 3995-4000, 4006-22, 4032-59	2 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/69	4334-45	Sqz'd. w/50 SX cmt.
1/75	4171/4260	BP @ 4160' w/1 SK. cmt. to 4151'.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/40		500 gal.	AT		257BO
5/68		500 gal. SAF+2500gal	15% NEA		
1/69	4334-45	500 gal. 15% NEA	AT		-
1/69	4171/4260	1000 gal. 15% NEA	AT		
1/75	Gu	3000 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 6 5/8" hr., run 9-40, 4 1/2" hr. run 1/69

9-53: Ran BHP & Temp. surveys - no csg. leaks.

DATE 8/18/78 KLB

PROPOSED WELL NO. 36-411

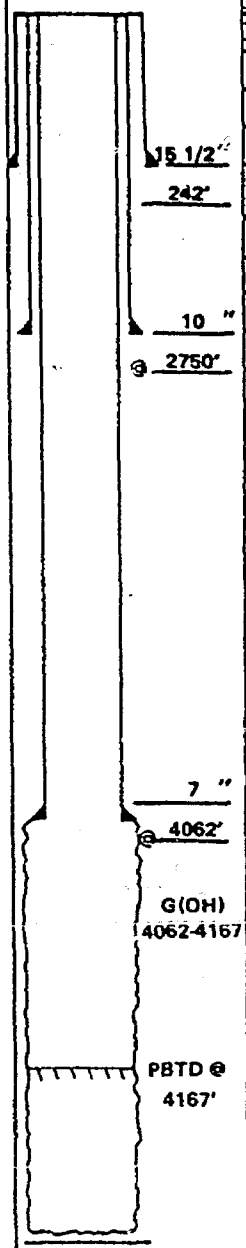
COMPLETION DATE 1/28/31 — AMERADA STATE C NO. 1 — COMPLETION INTERNAL: 4062-4167(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330 FEL SECTION 36 A BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3658' DF | G.L. ELEV. _____ TD 4236' PBTD 4167' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	242	400	Circ.*	18"**
10"	45#	2750	500	1418*	12 3/4"**
7"	24#	4062	500	1038*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4053	-395
GL	4178	-520
I	4217	-559
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/31	G	4062-4167	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
4/54	4062/4236	Sqz'd w/100 SX; drld. out to 4167'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/54	G	2500 gal. 15% acid; 6000 X 6000 frac			
4/67	G	1000 gal. 15% NEA	AT		
3/68	G	500 gal. toluene + 500 gal. 15% reg.	AT		
5/68	G	6000 gal. 15% XFW	AT		
3/77	G	1000 gal. xylene, 7500 gal. 20%	NEA		33BO 99BW

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 3-77: Attempted to recover fish from OH-no results

DATE 8/18/78 KLL

PROPOSED WELL NO. 36-321

COMPLETION DATE 11/2/56 — AMERADA STATE C NO. 3 — COMPLETION INTERNAL: ____

RECOMPLETION DATE 10/74 (TA) — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL SECTION 36-G BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3663' [DF] G.L. ELEV. ____ TD 4293' PBTD 4280' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	374	350	Surf.	12 1/4
5 1/2"	15.5#	4286	400	2825'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1635	
T.Salt	1738	
B.Salt	2697	
Yates	2844	
7 Riv	3077	
Queen	3660	
Gu	4167	-504
GL	4274	-611
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

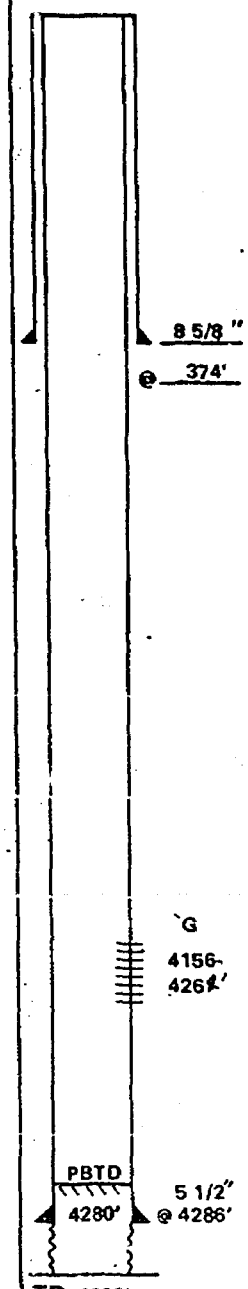
DATE	ZONE	DEPTHS	DENS & SIZE
11/56	G	4156-4224, 4240-48, 4253-62	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/56	G	1000 gal. 15%; 20,000	X 11,000 frac		17BW



OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78KLL

PROPOSED WELL NO. 24-121

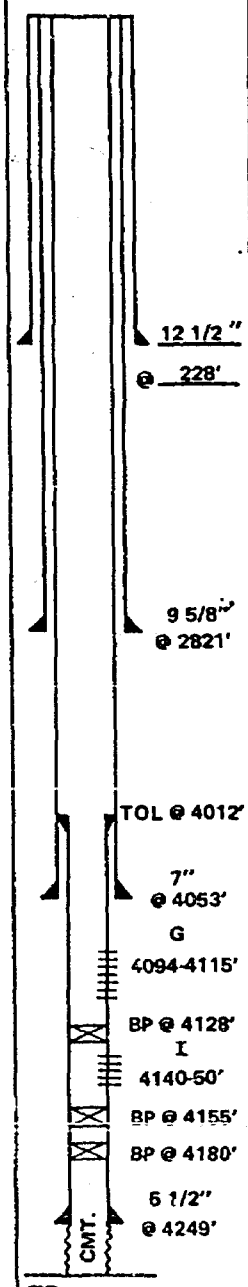
COMPLETION DATE 1/35 — AMERADA STATE E NO. 1 — COMPLETION INTERNAL: 4094-4115(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FWL SECTION 24E BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3682' [DF] G.L. ELEV. ____ TD 4319' PBTD 4128' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2'	50#	228	250	Circ.*	16"**
9 5/8'	36#	2821	450	1170*	11 3/4"**
7"	24#	4053	300	2239*	8 3/4"**
5 1/2" liner	14#	4012/4249	-		6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4010	-328
GL	4103	-421
I	4115	-433
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	OENS & SIZE
1/35	G,I	4053-4240	OH
10/41	I	4212-34	3 SPF
10/41	I	4142-4206	42 holes
10/41	I	4140-50 (dense)	30 shots
8/74	G	4094-4115	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
19/41	4206	Set ret. = sqz'd. w/25 SX

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/35		2000 gal.	4053-4240		
10/41		3000 gal.			
8/74		1500 gal.	4094-4115		
3/76		3000 gal. 20%	4094-4115*		
8/75		2000 gal. 15%	4094-4115		

OPT 7292BO, 549 BW, 4260 MCFGD

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: *NMOCD shows 4140-50 also but believe ret. @ 4128'

DATE: 8/18/78 KL

PROPOSED WELL NO. 14-341

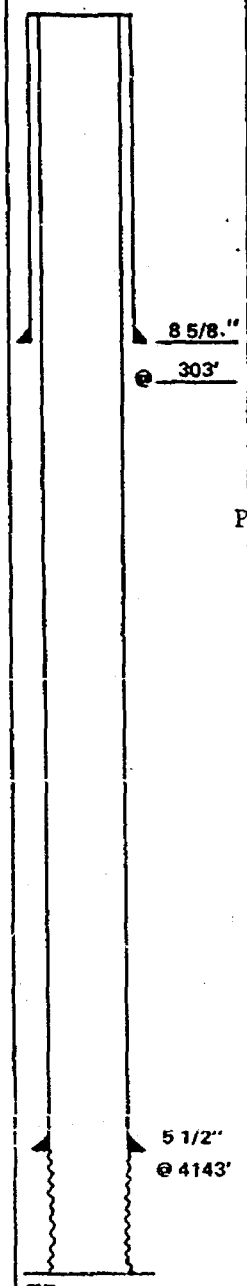
COMPLETION DATE 11/1/57 — AMERADA STATE WHB NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 9/3/74(TA) — HOBBS (G-SA) UNIT

LOCATION 660' FSL & 1650' FEL SECTION 14 O BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' (DF) G.L. ELEV. _____ TD 4176' PBTD _____ ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	303	250	Surf	12 1/4"
5 1/2"	15.5#	4143	400	2610	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1600	
T.Salt	1699	
B.Salt	2632	
Yates	2778	
7 Riv	3012	
Queen	3575	
Penrose	3715	
Gu	4076	-388
GL	4153	-465
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10-57	G	4143-76	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	500 gal. 15%; 5000, X 5000 frac,			454BO
8/60	G	30,000 gal X 30,000 frac		22BO	71BO
8/74	G	1000 gal. 15% NEA			

OPT 454 BO — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78 KLL

PROPOSED WELL NO. 14-231

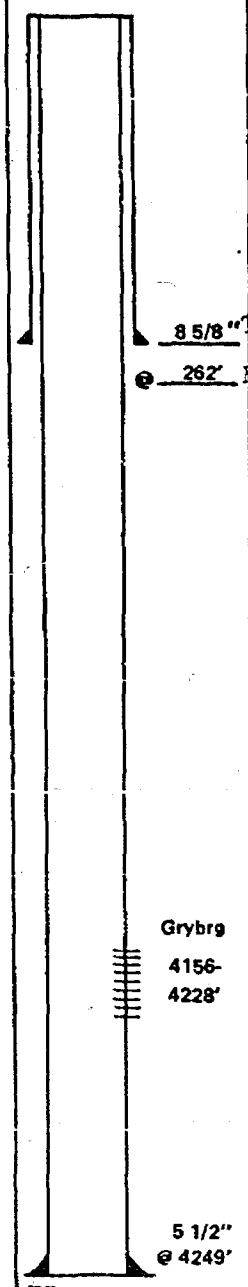
COMPLETION DATE 8/8/58 — AMERADA STATE WHB NO. 2 — COMPLETION INTERNAL: 4156-4228(G)

RECOMPLETION DATE 6/73 (TA) — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2310' FWL SECTION 14K BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3698' [DF] G.L. ELEV. TD 4250' PBTD 4247' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24,32#	262	250	Surf.	12 1/4"
5 1/2"	14#	4249	400	2705	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1643	
T.Salt	1745	
B Salt	2694	
Yates	2840	
7 Riv	3080	
Gu	4212	-514
GL	4346	-648
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/58	G	4156-84, 4188-4208, 4214-28	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/58	G	1500 gal. 15%; 10,000#	10,000 frac.		67BO 3BW

OPT 113 BO

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/18/78KLL

PROPOSED WELL NO. 21-331

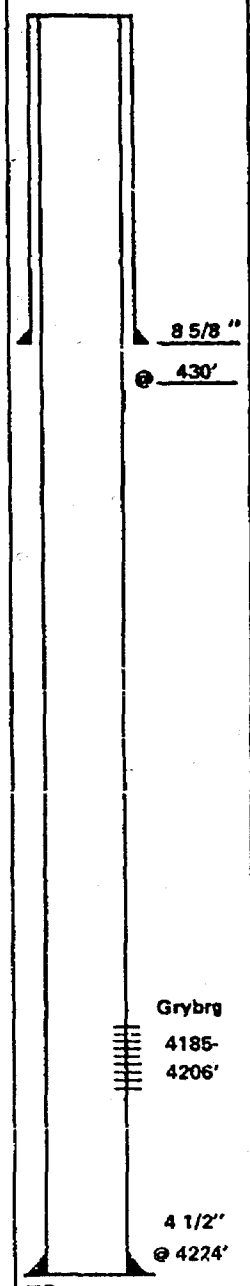
COMPLETION DATE 10/64 — ANTWEIL HOBBS CT NO. 1 — COMPLETION INTERNAL: 4185-4206' (G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2260' FEL SECTION 21 J BLOCK ____

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

DATUM 3647' [GL ! G.L. ELEV. ____ TD 4225' PBTD 4222' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	20#	430	250	Circ.	11"
4 1/2"	9.5#	4224	485	2288*'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4185, 4186, 4187, 4191, 92, 4193, 4194, 4195, 4203, 4204, 4205, 4206	12 holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
	G	1500 gal.; 20,000 gal	frac & 17,000# sd.		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Deviation
Cored 4125-4219'

DATE: 8/18/78KLL

WR-31968

PROPOSED WELL NO. 28-221

COMPLETION DATE 2-20-59
RECOMPLETION DATE 7-1-71

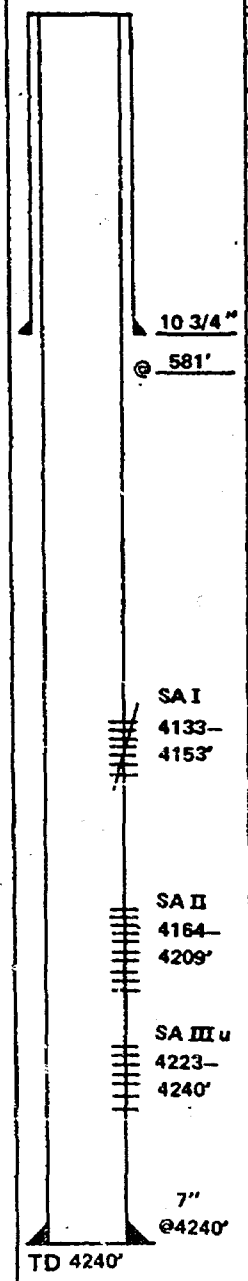
ATLANTIC GRIMES SOC NO. 2-A
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: 4164-4240(II) (IIIU)

LOCATION 1910' FNL & 1650' FWL SECTION 28F BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3646' [GL] G.L. ELEV. TD 4240' PBTD 4238' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	581	600	Circ.	15"
7"	20,23#	4240	682	*116	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1614	
Yates	2715	
7 Riv	2936	
Queen	3474	
Penrose	3620	
GU	4012	-366
GL	4106	-460
I	4110	-464
II	4160	-514
IIIU	4218	-572
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/59	I	*4133-53	4 SPF
7/71	III	4223-28, 4232-40	
12/74	II	4164,72,76,82,85,93,95, 4202,06,09	1 1/2" SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/71	4133-53	Sqz'd w/25 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/59	I	500 gal.	AT		218BO,
					0BW
7/71		2000 gal. 15% LSTNE	AT	16BO,	52BO,
				67BW	4BW
12/74	III	2000 gal. 15% LSTNE	AT (4223-40')		35BO,
					1BW
12/74	II	2000 gal. 15% LSTNE	AT (4164-4209')		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Installed BOP on 12/17/74. Bradenhead leak 9/77, see attached report.

DATE:8-21-78 KL

WR-3198 D

PROPOSED WELL NO. 28-111

COMPLETION DATE 7/10/34 — ATLANTIC GRIMES SOC NO. 3 — COMPLETION INTERNAL: 4109-4121'(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

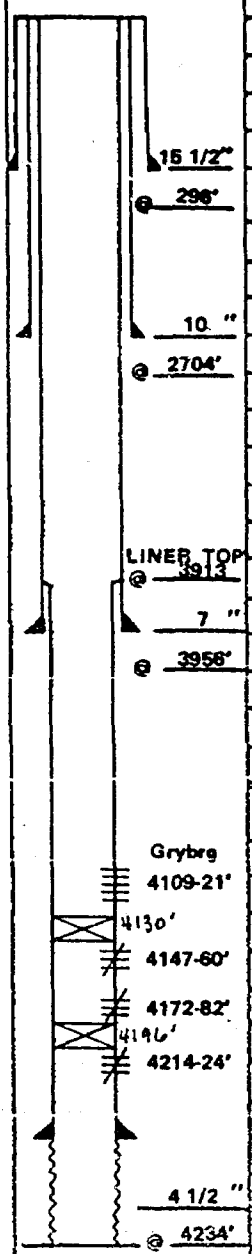
LOCATION 990' FNL & 330' FWL SECTION 28D BLOCK _____

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

DATUM 3646' [GL] G.L. ELEV. _____ TD 4280' PBTD 4130' [ ]

Deepened 9-22-35, 8-27-61

7-9-67



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15½"	70#	296	200	Circ.*	18"**
10"	45#	2704	150	2304*	12 3/4"**
7"	26#	3956	250	2244*	8 3/4"**
4½" lnr.	11.6#	3913/4234	50	393*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4024	-378
GL	4120	-474
I	4125	-479
II	4189	-543
IIIu	4254	-608
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/34		*3956-4225	OH
8/61	II	*4214-24	
2/65	I	*4172-82	
8/67	I	*4147, 4151, 4154, 57, 60	
9/67	G	4109, 11, 14, 17, 19, 21	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
2/65	4214-24	Retainer @ 4196' w/105 SX cmt.
6/67	4172-82	Sqz'd. w/100 SX cmt.
8/67	4234-80	(OH) - 100 SX cmt. to 4166'
9/67	4147-60	Retainer @ 4130' w/150 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
7/34		1000 gal.			
9/35		5000 gal.			
9/35		7000 gal.			
8/61		250 gal. (4214-24')		23BO 0BW	64BO 8BW
2/65	G	250 gal.			32BO 140BFW
7/67		500 gal. 15% NEA (4234-80')			2BO 106BFW
7/67		250 gal. 15% NEA (4254-80')	ISIP 150#		
7/67		500 gal. 15% NEA (4242-80')	ISIP 1700#		
8/67	I	250 gal. BDA			
9/67	G	500 gal. BDA	ISIP 1400#		
9/67	G	1500 gal. 15% LST	ISIP 750#		35BO 59BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/18/78 KLL

NM-3186-B

PROPOSED WELL NO. 23-121

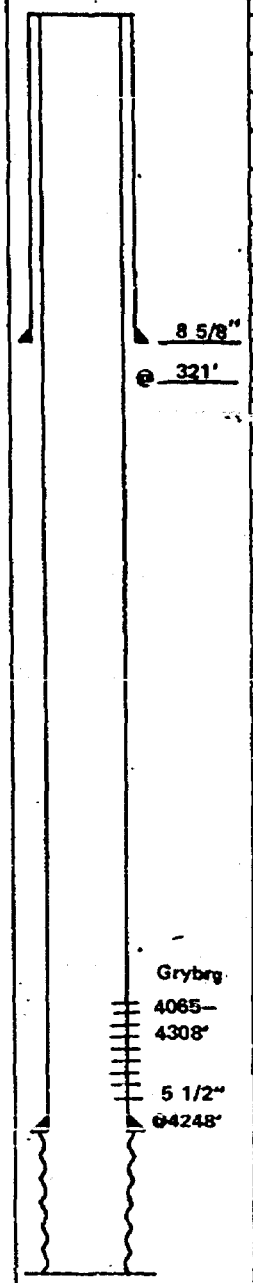
COMPLETION DATE 12-16-59 — C&C SHIPP A NO. 1 — COMPLETION INTERNAL: 4065-4308(G)

RECOMPLETION DATE Deepened 1-25-70 — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990' FWL SECTION 23E BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3691' [DF] G.L. ELEV. TD 4308' PBTD 4248' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	321	175	Circ.	11 1/4"
5 1/2"	14#	4248	425	2710	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2882	
7 Riv	3235	
Bowers	3460	
Queen	3715	
Penrose	3858	
GU	4176	-485
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/59	G	4065-4128, 4168-4230	
1/70	G	4248-4308	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/59	G	500 gal. AT; 10x10 frac			
		(4168-4230)			
		500 gal. AT; 10x10 frac			
		(4065-4128)			14BO
1/70	G	250 gal. AT	(OH)		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PROPOSED WELL NO. 17-131

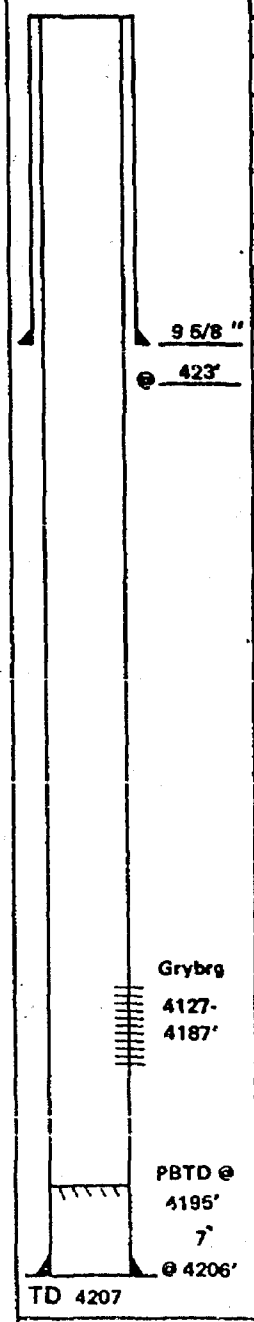
COMPLETION DATE 6-12-57 — CHEVRON STATE 17 NO. 1 — COMPLETION INTERNAL: 4127-87' (G)

RECOMPLETION DATE TA 6-73 — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 330' FWL SECTION 17L BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3668' [DF] G.L. ELEV. TD 4207' PBTD 4195' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	32, 36#	423	240	*Circ.	12 1/4"
7"	23#	4206	925	Circ.*	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1650	
T Salt	1740	
B Salt	2750	
Yates	2794	
7 Riv	3025	
Queen	3600	
Penrose	3756	
GU	4105	-437
GL	4197	-529
I	4208	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/57	G	4127-44, 4152-58	4 JPF
7/62	G	4166, 4174, 4187	Sandjetted

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
7/57	G	500 gal. MA; 15 X 22.5	FRAC		
7/62	G	15 X 22.5	FRAC		
				9BO	50BO,
					15BW

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-28-78 KL

WR-3198 D

PROPOSED WELL NO. 31-311

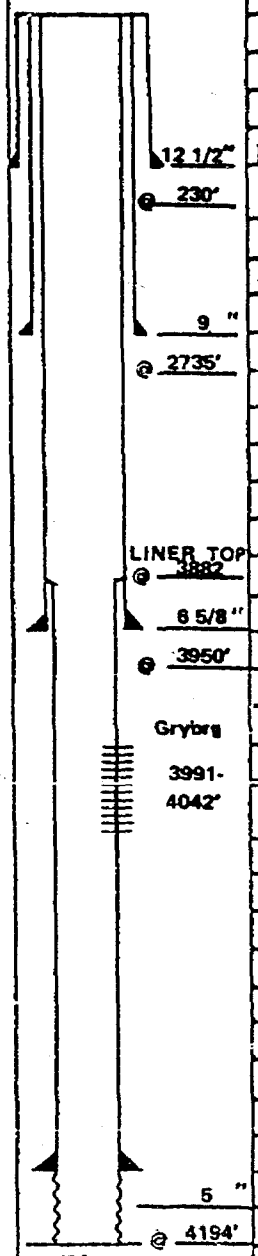
COMPLETION DATE 9/13/30 — CITIES SERVICE FOWLER NO. 2 — COMPLETION INTERNAL: 3991-4042'(G)

RECOMPLETION DATE TA 3-75 — HOBBS (G-SA) UNIT

LOCATION 440' FNL & 2310' FEL SECTION 31B BLOCK

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

DATUM 3649' [GL] G.L. ELEV. TD 4201' PBTD 4192' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	230	200	Circ.*	16"**
9"	36#	2735	500	1275*	11 3/4 **
6 5/8"	24#	3951	250	2227*	8 1/4"**
5"lnr.	18#	3882/4194	35	3882*	6 1/4"**
Hydril	FJ				

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3924	-275
GL	4072	-423
I	4078	-429
II	4141	-492
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G	*3950-4201	OH
11/69	G	*3991, 3996, 4000, 37, 42	1 SPF
		4064, 4067	
11/69	G	3991, 3996, 4000, 37, 42	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/69	3991/4067	Sqz'd. w/50 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/70	G	3000 gal.	AT-3 stages		136 BW
8/70	G	3500 gal.	AT-3 stages		45BO 207BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: 9-1-53: 9" X 6 5/8" SIP 1000 psi. 32/64" ck. swab gas 3½ hrs. Last 2 hrs. stab. @ 97.8 MCF/D. Temp survey indicated gas coming from Yates.

DATE: 8/18/78KLL

WR-31988

PROPOSED WELL NO. 19-111

COMPLETION DATE 5-12-52 — CITIES SERVICE HARDIN NO.5 — COMPLETION INTERNAL: 4242-4248(IIIU)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 990' FWL SECTION 19D BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3671' [DF] G.L. ELEV. _____ TD 4255' PBTD 4253' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	251	200	Circ.	11"
5 1/2"	14 #	4254	1500	1108'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

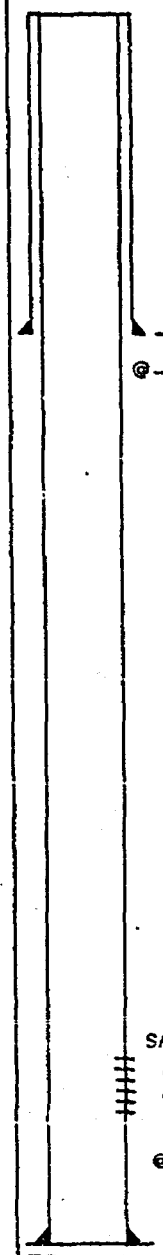
ZONE	TOP	SUBSEA
Anhy	1490	
Salt	1585	
Br Li	2800	
GU	3923	-252
GL	4016	-345
I	4016	-345
II	4097	-426
IIIU	4164	-493
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/52	IIIU	4242-48'	6 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/52	IIIU	250 gal.	AT		272 BO
6/75	IIIU	2000 gal. 15% HCl	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: For csg. leak repair 6/75, see attached sheet.

DATE: 8-21-78 KLL

PROPOSED WELL NO. 28-431

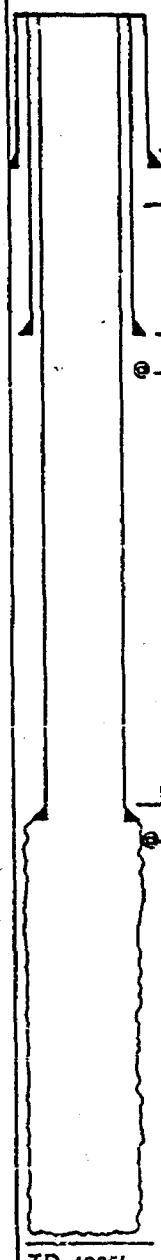
COMPLETION DATE 9/6/35 — CONTINENTAL GRIMES NO. 4 — COMPLETION INTERNAL: 3993-4084 (G) 4084-4225 (SA)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FEL & 1650' FSL SECTION 28I BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3648' [GL] G.L. ELEV. _____ TD 4225' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	40 #	225	150	Circ.*	13½"**
7 5/8"	26.4 #	1640	400	Circ.*	9 5/8"**
5 1/2"	17 #	3993	400	1894*	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2730	
Buff	2850	
Hobbs	3600	
White Is	4085	
GU	3998	-350
GL	4083	-435
I	4008	-440
II	4157	-509
IIIU	4218	-570
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	3993-4084	OH
	I	4084-4156	OH
	II	4156-4213	OH
	IIIU	4213-4225	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
		3000 gal. Dowell xx			162 BO
		4000 gal.			173 BO
		5000 gal.			5437BO/D

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 9-9-53: With TP @ 190 psi, 5 1/2" CP 1000 psi, 7 5/8" CP 200 psi, bradenhead was opened. Salt water flowed thru 7 5/8" csg. 5 min. & died. All pressure bled off 7 5/8" csg. & 5 1/2" CP remained @ 1000 psi.

DATE: 8-21-78 KLL

WR-3198 C

Well now producing

COMPLETION DATE 9-28-30
RECOMPLETION DATE 1-76 (TA)

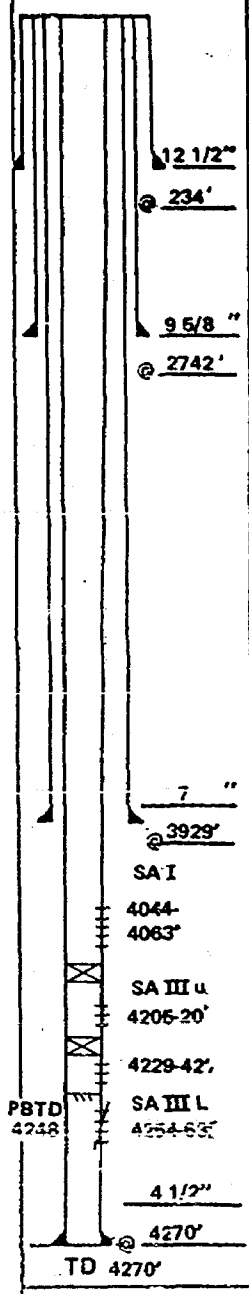
PROPOSED WELL NO. 29-331
CONTINENTAL STATE A-29 NO.1
HOBBS (G-SA) UNIT

COMPLETION INTERNAL: 4044-4063(I)
4205-4242(IIIU)

LOCATION 1650' FSL & 1650' FEL SECTION 29J BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3655' [DF] G.L. ELEV. TD 4270' PBTD 4248' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50	234	170	Circ.*	16"**
9 5/8"	40	2742	500	907*	11 3/4"**
7"	24	3929	300	2115*	8 3/4"**
4 1/2"	10.5	4270	750	*Circ.	6 1/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1530	
T Brn	2769	
T Salt	1670	
B Salt	2490	
BuffIs	2769	
Ector	3770	
GU	3902	-247
GL	3998	-343
I	4010	-355
II	4079	-424
IIIU	4149	-494
IIIL	4251	-596
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
7/75	IIIL	*4254-63	2 SPF
7/75	IIIU	4205-20, 4229-42	2 SPF
7/75	I	4044-52, 4058-63	2 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/75	4254-63	Sqz'd w/100 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/35		1000 gal.	AT		
8/35		2000 gal. (4121-78')	AT		
7/75		1250 gal. 28% (4254-63)	AT		
7/75		2000 gal. 28% (4205-42)	AT		
7/75		1000 gal. 28% (4044-63)	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Found holes in 7" csg. @ 250', 1230', 1424', 1466' & 1563'

DATE 8-22-78 KL

WR-3198 D

PROPOSED WELL NO. 13-141

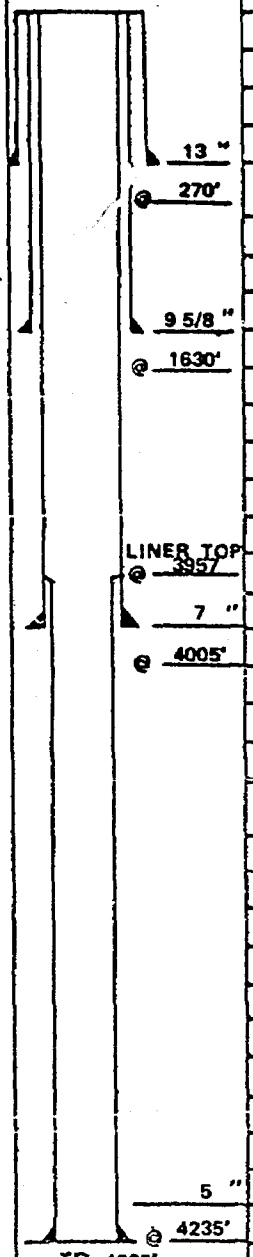
COMPLETION DATE 9/20/35 — **CONTINENTAL STATE B-13 NO. 2** — COMPLETION INTERNAL: 4002-4040

RECOMPLETION DATE 1-51 (TA) — **HOBBS (G-SA) UNIT**

LOCATION 660' FSL & 660' FWL SECTION 13M BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3684' [DF] G.L. ELEV. TD 4235' PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13"	50#	270	200	Circ.*	16"**
9 5/8"	36#	1630	400	469*	12 1/4"**
7"	24#	4005	400	1586*	8 3/4"**
5"liner		3957/4235	75	3957*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3938	-254
GL	4049	-365
I	4087	-403
II	4174	-490
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT 6392 BOPD w/10 mm ft^3 gas

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Poss. GL

(See Attached)

DATE: 8/18/78KLL

PROPOSED WELL NO. 13-221

COMPLETION DATE 4/1/57 — CONTINENTAL STATE B-13 NO. 4 — COMPLETION INTERNAL: 40494152(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1980' FNL' & 1980' FWL SECTION 13 F BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' [DF] G.L. ELEV. _____ TD 4160' PBTD 4156' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	307	300	Circ.	11"**
5 1/2"	14#	4159	1700	1750	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1555	
T.Salt	1655	
B.Salt	2610	
Yates	2758	
7 Riv	3018	
Queen	3552	
Gu	4049	-361
GL	4152	-464
GOC		
OWC		

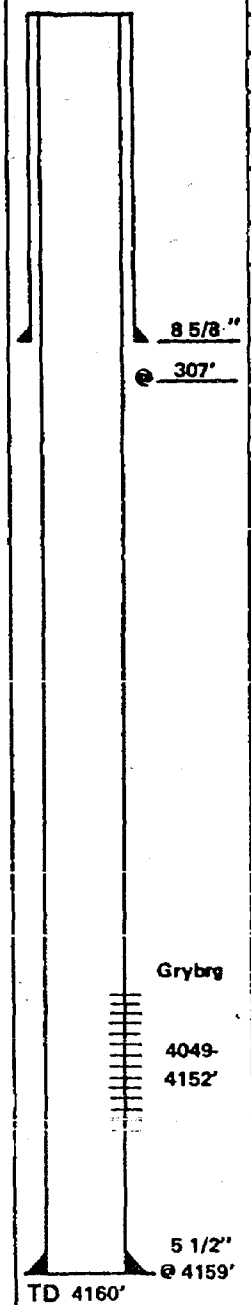
PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/57	G	4049-64	60 shots
		4070-74	16 shots
		4076-82	24 shots
		4100-10	40 shots
		4114-18	16 shots
		4122-24	8 shots
		4140-52 SQUEEZE & REPAIR	32 shots

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
	4140-52	3000 gal. AT			
	4100-22	6000 ga. frac + 6000# sd			
	4049-82	6000 gal. frac + 6000# sd			170BO



OPT 170BO

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: S/I 8/20/74 due to uneconomical reasons.
Future plans: hold for secondary recovery

DATE 8/18/78 KLL

WR-31968

PROPOSED WELL NO. 29-111

COMPLETION DATE 12-1-71 — EXXON BOWERS A FED. COM. NO. 35 — COMPLETION INTERNAL: 4168-4250'

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 330 FWL SECTION 29D BLOCK _____

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

DATUM 3662' [DF | G.L. ELEV. _____ TD 4331' PBTD 4250' [ ]

*CALCULATED
**ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	310	150	Circ.	11"
5 1/2"	14#	3905	300	*2331*	7 7/8"
13 3/4"	21' of conductor w/2 yds. heavy wt				

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3988	-310
GL	4092	-430
I	4110	-448
II	4168	-506
IIIu	4240	-578
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

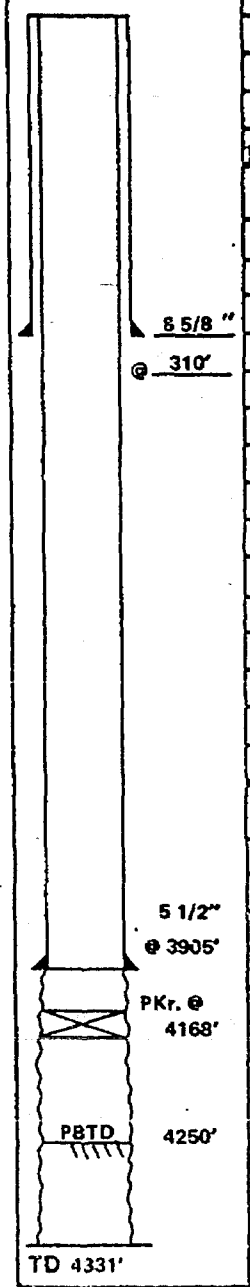
DATE	ZONE	DEPTHS	DENS & SIZE
12-71	II	4168-4239	OH
"	IIIu	4239-4250	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

WR-3198 D

COMPLETION DATE 10-16-30 — PROPOSED WELL NO. 29-411 — COMPLETION INTERNAL: 4102-4127 G, 4154-4158 I, 4200-4214 II

RECOMPLETION DATE —

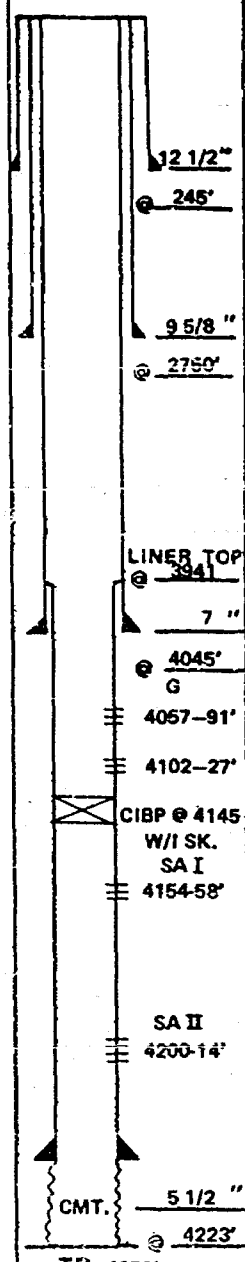
EXXON GRIMES NO. 1

HOBBS (G-SA) UNIT

LOCATION 990' FNL & 990' FEL SECTION 29A BLOCK —

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3647' [GL] G.L. ELEV. — TD 4250' PBTD 4145' [CIBP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	245	250	Circ.	16"**
9 5/8"	36#	2750	650	365*	11 3/4"**
7"	26#	4045	300	2231*	8 3/4"**
5½" Inn.		3941/			
		4223	30	3941*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4013	-366
GL	4118	-471
I	4127	-480
II	4186	-539

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/57	G	4102-27	
5/72	I	4154-58	1 SPF
9/62	II	4200-14	2 SPF
		*4223-50 (OH)	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
9/62	4223-50	Sqz'd w/50 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
4/34		1000 gal. AT	4045-50' (OH)		
10/42		1000 gal. AT	4223-50' (OH)		
6/47		2000 gal. AT	4223-50' (OH)		
11/57		2500 gal. AT	4102-27'		
9/62		1000 gal. AT	4200-14'		
11/77		2000 gal. AT	4057-91'		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Tested 9 5/8" - 7" annulus 9/16/53 100# bled down <1 min.

Bleeder line from bradenhead to surf. 12/57.

DATE: 8-22-78 KL

PROPOSED WELL NO. 25-431

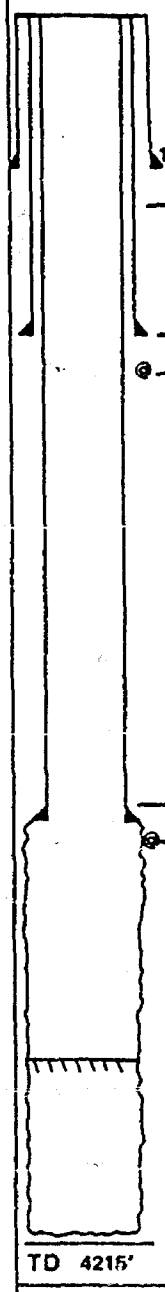
COMPLETION DATE 10/21/30 — EXXON N. M. STATE NO. 1 — COMPLETION INTERNAL: 3977-4095

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 330' FEL & 2310' FSL SECTION 25I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3649' [GL] G.L. ELEV. _____ TD 4215' PBTD 4095 [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	215	260	Circ.*	16"**
9 5/8"	36#	2750	650	365	11 3/4"**
7"	26#	3977	300	2163*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
		RA	

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1490	
T.Salt	1670	
B.Salt	2649	
Gu	3959	-310
GL	4047	-398
I	4077	-428
II	4167	-518
IIIu	4241	-592
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/30	G	3977-4095	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/72		4500 gal. 20%	Tbg-csg. annulus		

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Has had annulus pressure flow

(See Attached)

DATE 8/18/78 KLI

PROPOSED WELL NO. 25-341

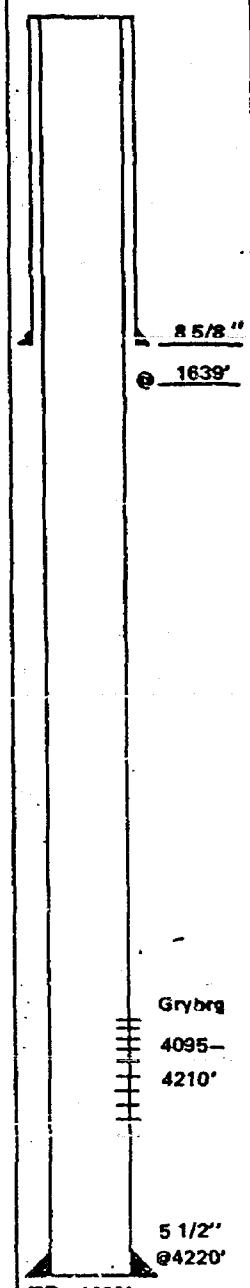
COMPLETION DATE 12/5/53 — EXXON N.M. STATE NO. 5 — COMPLETION INTERNAL: 4095-4210(G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 660' FSL & 1650' FEL SECTION 25 O BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3667' [GL] G.L. ELEV. 3656' TD 4220' PBTD 4220 [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT. (used)	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	29, 32#	1639	900	Circ.	11"
5 1/2"	15.5#	4220	1100	1620	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Bowers	3339	
Queen	3742	
Gu	4088	-421
GL	4192	-525
I	4212	-545
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/53	G	4095-4150	4 JPF
11/53	G	4170-4210	4 JPF

SQUEEZE / REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/53	G	5000 gal (4170-4210)			
11/53	G	4000 gal. (4170-4220)			
8/59	G	5300 gal. frac + 13,000# sd.		21BO	36 BO
8/64	G	15000 gal. frac + 26,400# sd.		24BO 38BW	41BO 42BW
7/71	G	AT - unknown volume			

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/18/78 KLT

PROPOSED WELL NO. 25-231

COMPLETION DATE 3-1-55 — EXXON N.M. STATE NO. 6 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 2310' FWL SECTION 25 K BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3670' [DF] G.L. ELEV. _____ TD 4253' PBTD 4245' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	1800	1000	Circ.	11"
5 1/2"	14#	4252	1250	Circ.	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

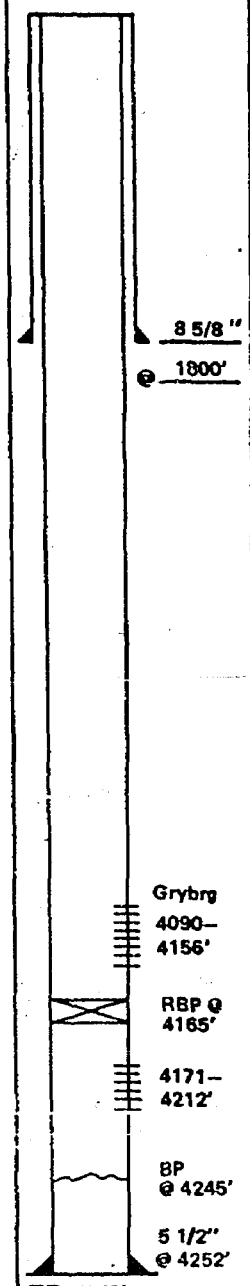
ZONE	TOP	SUBSEA
Anhy	1625	
Yates	2814	
Queen	3778	
Gu	4114	-444
GL	4207	-537
1	4222	-552
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/55	G	4090-4156	4 JPF
2/55	G	4171-4212	4 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/55	G	7000 gal	AT-2 stages		140BO
1/60		5 X 7.5 frac (4090-4156 above RBP)			
9/69		36 X 46 frac (4090-4156?)			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Line to surf. from bradenhead 12-57.

DATE 8/18/78 KLL

PROPOSED WELL NO. 31--211

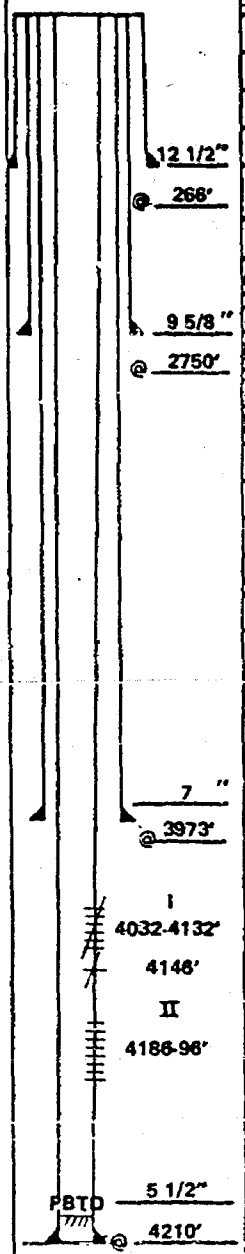
COMPLETION DATE 9-14-30 — GETTY FOWLER NO. 1 — COMPLETION INTERNAL: 4186-4196(II)

RECOMPLETION DATE 10-18-71 — HOBBS (G-SA) UNIT

LOCATION 440' FNL & 2310' FWL SECTION 31C BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3651' [DF] G.L. ELEV. TD 4215' PBTD 4200' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	266	185	Circ.*	16" **
9 5/8"	36#	2750	400	1282*	11 3/4"**
7"	24#	3973	450	1252*	8 3/4"**
5"		4210	100	3025*	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1460	
T Salt	1610	
B Salt	2532	
T Brn	2800	
Ector	3782	
GU	3958	-307
GL	4108	-457
I	4115	-464
II	4167	-516
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
9/30	G,I,II	*3973-4215	OH
6/54	I	*4146	3 Holes
7/54	I	*4032-4132	
8/76	II	4186-96	6 Holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/54	4146	Sqz'd w/100 sx cmt. @ 6200#
6/74	4032/	Sqz'd w/115 sx Visqueeze Mark II
	4196	
8/76	4106-96	Sqz'd w/80 sx Visqueeze Mark II

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/71	II	500 gal.	AT		112BO,
					74BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: High water prod.; prod. Zn+ comm.

DATE: 9-12-78 KLL

PROPOSED WELL NO. 19-311

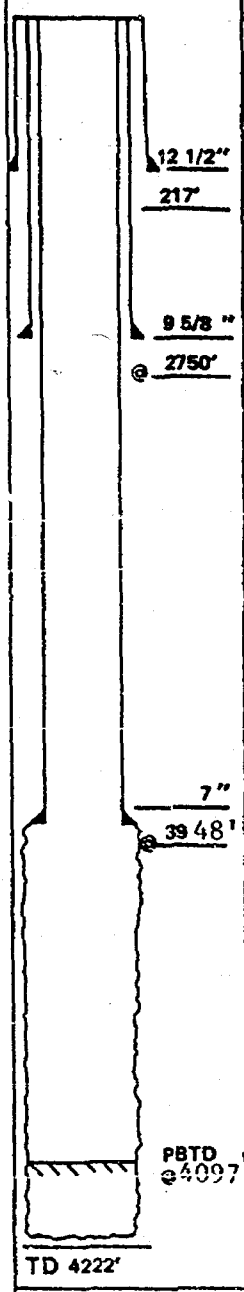
COMPLETION DATE 11-10-30 — GETTY HARDIN NO. 3 — COMPLETION INTERNAL: 3952-4086(G), 4086-4097(SA)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1309' FNL & 2310' FEL SECTION 19B BLOCK ____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3667' (GL) G.L. ELEV. ____ TD 4222' PBTD 4097 ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	217	200	Circ.*	16"**
9 5/8"	36#	2750	600	548*	11 3/4"**
7"	24#	3952	300	2138*	8 3/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3984	-317
GL	4080	-413
I	4086	-419
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	3952-4086	OH
	I	4086-4097	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/42	4127-29	Formation Packer

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/72		13x22.5 frac.	ISIP 2000#		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Welded bradenhead between surf. and intermediate. Installed bleeder line to surf. 11/18/57. Repaired csg leak 2/12/43 per attached.

DATE 8-21-78 KL

WR-3198 A

PROPOSED WELL NO. 19-411

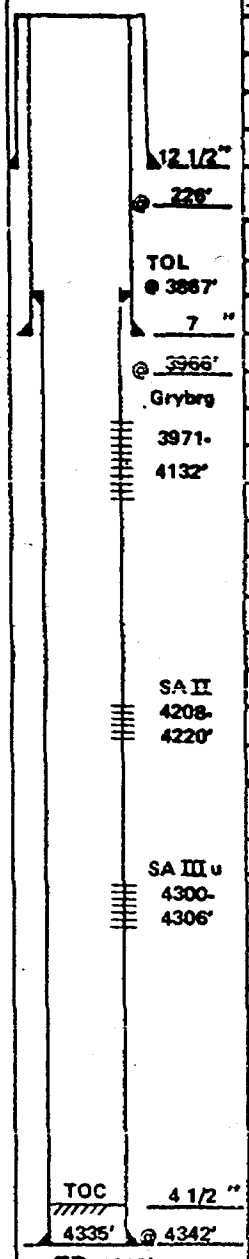
COMPLETION DATE 2-16-33 — GETTY HARDIN NO. 4 — COMPLETION INTERNAL: 3971-4108(G), 4128-4132(I), 4208-4248(II), 4300-4306(IIIU)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1300' FNL & 1300' FEL SECTION 19A BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3662' [DF] G.L. ELEV. TD 4342' PBTD 4335' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	226	200	*Circ.	18 1/4"
7"	36#	3966	700	*Circ.	8 3/4"**
4½" lnr.		3867/ 4342	100	*3867	6 1/4"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL
		G-N	

LOG TOPS

ZONE	TOP	SUBSEA
GU	4013	-350
GL	4112	-449
I	4120	-457
II	4192	-529
IIIU	4254	-591
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/33	G,I,II	*3966-4231'	OH
12/61	II,IIIU	4235-48'	
8/70	G,I	3971,87, 4009,38,46,50,	1 SPF
		66,89, 4100,08,28,32	
10/71	II	4208-4220	
1/65	IIIU	4300-06	1 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/70	G, I	1250 gal.	AT		
10/71	II	1000gal.	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE 8-22-78 KLL

PROPOSED WELL NO. 26-411

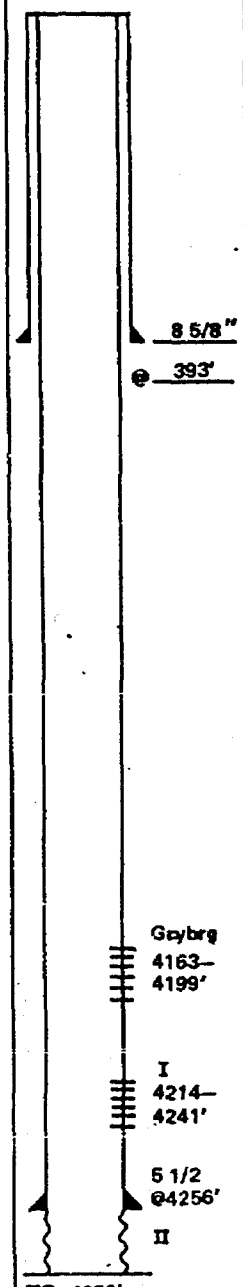
COMPLETION DATE 10/1/56 — GETTY **HOBBS E NO. 1** — COMPLETION INTERNAL: 4163-4199(G) 4214-4276(SA)

RECOMPLETION DATE 8/6/69(Deep.) — **HOBBS (G-SA) UNIT**

LOCATION 330' FNL & 330' FEL SECTION 26A BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3679' [DF] G.L. ELEV. TD 4276' PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	393	200	Circ.	11"
5 1/2"	14#	4256	400	2157*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1650	
T.Salt	1752	
B.Salt	2713	
Yates	2853	
7 Riv.	3190	
Queen	3644	
Gu	4144	-465
GL	4239	-560
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/56	G	4163-4199	132 holes
10/56	I	4214-4241	
10/56	II	4256-4276	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/56	G,I	500 gal. AT; 15,500	frac		84BO
8/69	II	750 gal. 15% NEA	AT - 2 stages		46BO 18BW
12/71	G,I,II	750 gal. 15% paragon	AT		75O 2BW
5/73	G,I,II	1000 gal. 15% NEA; 25,888X22,200	frac		118O 6BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: DST #1 (4130-4256)-Open 3 hrs., gas to surf. in 15 min.; rec 140' brackish heavy gas-cut drlg. wtr., 430' HO & GCM est. 50% oil & 230' free oil HP in 2480# out 2455#, 1FP 135#, FFP 383#, 30 min bldup 1140#.

DATE 8/21/78KLL

1

PROPOSED WELL NO. 14-321

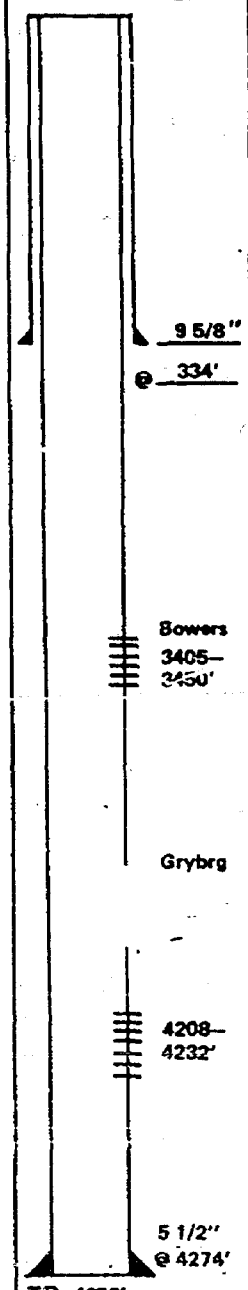
COMPLETION DATE 12-10-59 — GETTY STATE B NO. 2 — COMPLETION INTERNAL: 4208-4232(G) 3405-3450 (BOWERS)

RECOMPLETION DATE 9-17-74 — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 1650' FEL — SECTION 14G — BLOCK

SURVEY T-18-S, R-37-E — COUNTY Lea County, New Mexico

DATUM 3698' [DF] G.L. ELEV. — TD 4275' — PBTD 4270' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	25.4#	334	325	Circ.	11"
5 1/2"	15.5#	4274	600	2595	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1613	
Yates	2826	
Tansil	2673	
Bowers	3094	
Queen	3641	
Penrose	3794	
GU	4203	-505
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
11/59	G	4208-18, 4226-32	2 SPF
9/74	Bowers	3405,07,10,41,45,50	1 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/59	G	1000 gal. AT; 10x10 frac			37BO,
					17BW
11/74	G	1750 gal. 15% AT;			
		17x21.5 frac.			
11/74	Bowers	840 gal. 15% NEA; 10x20			
		frac			9BO,2BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Request for downhole commingling approved 10/22/74.

DATE: 8-21-78 KLJ

PROPOSED WELL NO. 33-411

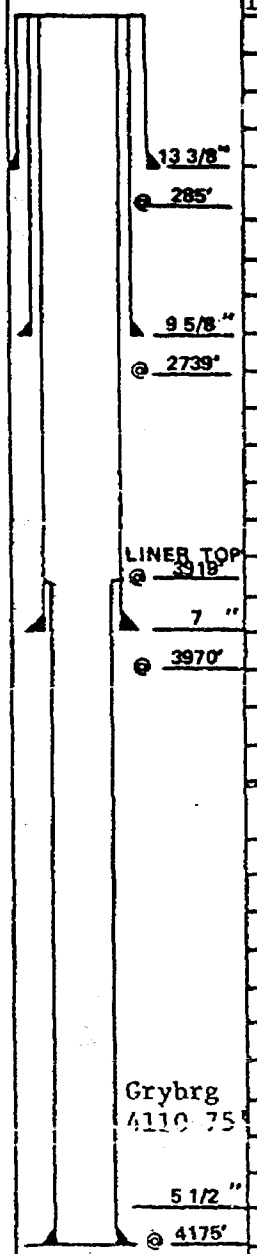
COMPLETION DATE 11-16-34 — GULF GRIMES B NO. 4 — COMPLETION INTERNAL: 4110-4175 (II (IIIU)

RECOMPLETION DATE 5-56 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 660' FEL — SECTION 33A — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3642', [GL] G.L. ELEV. — TD 4175' — PBTD — [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
13 3/8"	54.5#	285	200	Circ.*	17"**
9 5/8"	36#	2739	350	1723*	12 1/4"**
7"	24#	3970	150	3063*	8 3/4"**
5½" lnr.	14#FJ	3919/ 4175	40	3919*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3915	-273
GL	4008	-366
I	4008	-366
II	4064	-422
IIIU	4122	-480
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	II	*4077-4122	OH
	IIIU	*4122-75	OH
5/56	II, IIIU	4110-14, 4130-42, 4145-75	4 1/2" SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
11/34	II, IIIU	4000 gal.	AT - 2 Stages		
5/77		1500 gal. 15% NEA	AT		

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: Suspected csg. leak - could not find it.

DATE: 8-22-78 KL

PROPOSED WELL NO. 18-331

COMPLETION DATE 5-14-59 — GULF HARDIN NO. 5 — COMPLETION INTERNAL: 4052-4107(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1980' FSL & 1980' FEL SECTION 18J BLOCK ____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3675' [DF] G.L. ELEV. ____ TD 4170' PBTD 4165' [ ]

'CALCULATED **ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	320	310	Circ	12 1/4"
4 1/2"	9.5 #	4170	1027	1710	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1586	
Yates	2732	
7 Riv	2978	
Queen	3514	
Penrose	3661	
GU	4008	-333
GL	4094	-419
I	4114	-439
II	4183	-508
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

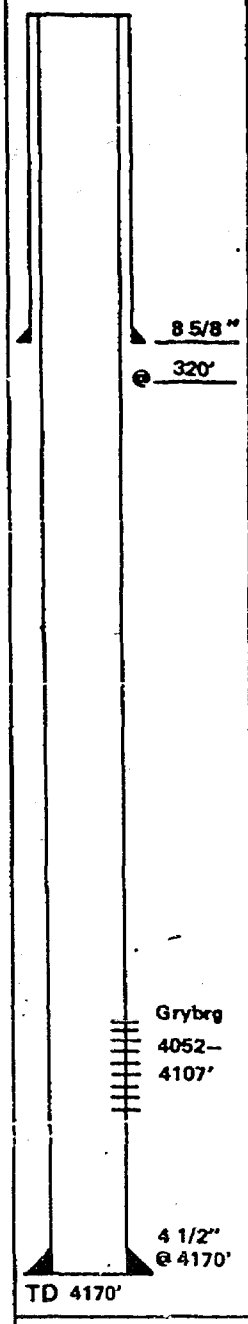
DATE	ZONE	DEPTHS	DENS & SIZE
5/59	G	4052-59, 4062-64, 4072-74	40 Holes
		4086-88, 4092-94, 4105-07	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/59	G	20,000 x 1-2.5#/gal.			58BO
		frac.			
6/68	G	500 gal. 15% FE NEA			
12/70	G	1000 gal. 15% NEA			



OPT

DATA AVAILABLE DST ☐ CORE ☐ FVT ☐ OTHER ☐

REMARKS:

DATE 8-21-78 KLL

PROPOSED WELL NO. 18-421

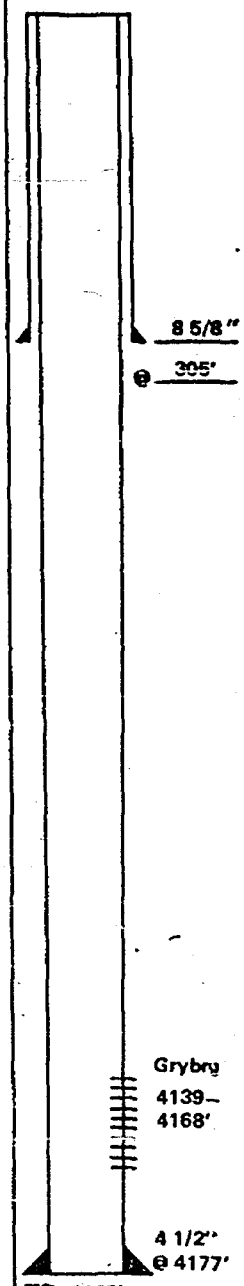
COMPLETION DATE 9/9/59 — GULF HARDIN NO. 6 — COMPLETION INTERNAL: 4139-4168(G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 1880' FNL & 660' FEL SECTION 18H BLOCK

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

DATUM 3673' [DF] G.L. ELEV. TD 4177' PBTD 4172' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	305	300	Circ	12 1/4
4 1/2"	9.5#	4177	350	2799	6 3/4

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1663	
Yates	2817	
7 Riv	3072	
Queen	3614	
Penrose	3716	
Gu	4100	-427
GL	4181	-508
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
	G	4139-41, 4146-48, 4156-58	4 SPF
		4166-68	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/59	G	20,000 X 1-2.5#/gal	frac		144BO
10/64	G	1,000 gal. 15%	AT	4BO 0BW	10BO 0BW
6/68	G	1,000 gal. 15% FE NEA	AT		
12/70	G	1,000 gal. 15% NEA	AT		

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 3/21/78 KLL

1

PROPOSED WELL NO. 18-311

COMPLETION DATE 9/21/60 — GULF HARDIN NO. 7 — COMPLETION INTERNAL: 4165-4186' (G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 990' FNL & 2310' FEL SECTION 18 B BLOCK ____

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

DATUM 3680' [DF] G.L. ELEV. ____ TD 4200' PBTD 4194' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	322	200	Circ.	12¼"
4 1/2"	9.5#	4200	373	3318	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1642	
Yates	2810	
7 Riv	3068	
Queen	3614	
Penrose	3766	
Gu	4116	-436
GL	4208	-528
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

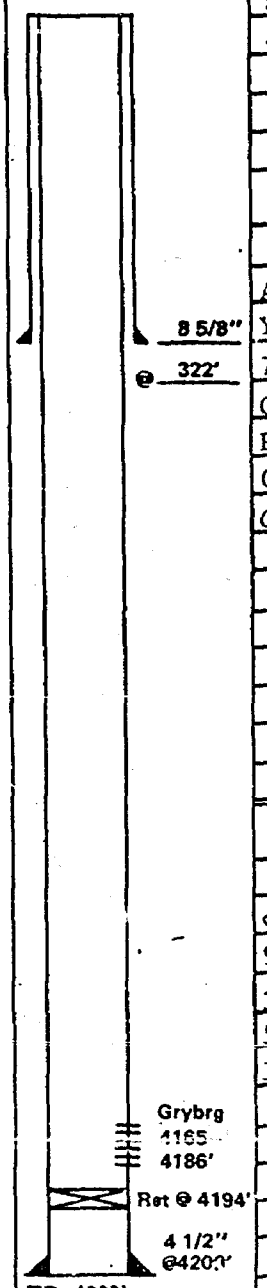
DATE	ZONE	DEPTHS	DENS & SIZE
9/60	G	4165, 4175, 4186	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
	4194'	Cmt. ret. sqz'd w/27 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
9/60	G	15,300 X 1-1.5#/gal.	frac		152BO
9/64	G	1,000 gal. 15%	AT	5BO 0BW	17BO 0BW
3/66	G	1,000 gal. 15% NEA	AT		
5/68	G	1,000 gal. 15% FE NEA	AT		
12/70	G	1,000 gal. 15% NEA	AT		



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLJ.

PROPOSED WELL NO. 18-341

COMPLETION DATE 8/1/71 — GULF HARDIN NO. 9 — COMPLETION INTERNAL: 3999-4040 (G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 580' FSL & 2310' FEL SECTION 18 O BLOCK _____

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

DATUM 3672' [DF] G.L. ELEV. _____ TD 4340' PBTD 4207' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	295	275	Circ.	11"
5 1/2"	14#	4339	285	2525	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

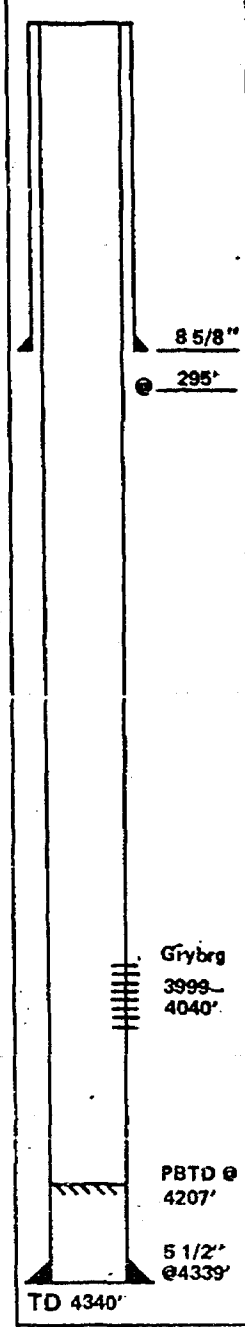
ZONE	TOP	SUBSEA
Anhy	1552	
Yates	2800	
Queen	3490	
Gu	3972	-300
GL	4061	-389
I	4068	-396
II	4151	-479
IIu	4231	-559
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/71	G	3999-4001, 4018-20,	4 1/2" SPF
		4038-40	
6/75		*2493-94	4 1/2" SPF
6/75		*1415	4 1/2" SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/75	2493-94	Sqz'd w/500 SX cmt.
6/75	1410	Sqx'd w/350 SX cmt.



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
8/71	G	1000 gal 15% NEA; 14	X 21 frac		30BO 9BW

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78 KLI

WR-3198 B

PROPOSED WELL NO. 36-211

COMPLETION DATE 6-57 — GULF HOLT NCT-D NO. 1 — COMPLETION INTERNAL: _____

RECOMPLETION DATE 1-75 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 36C BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM _____ [ ] G.L. ELEV. 3670' TD 4275' PBTD T.A. [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	434	325	Circ.	11"
5 1/2"	14#	4275	400	*2223	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

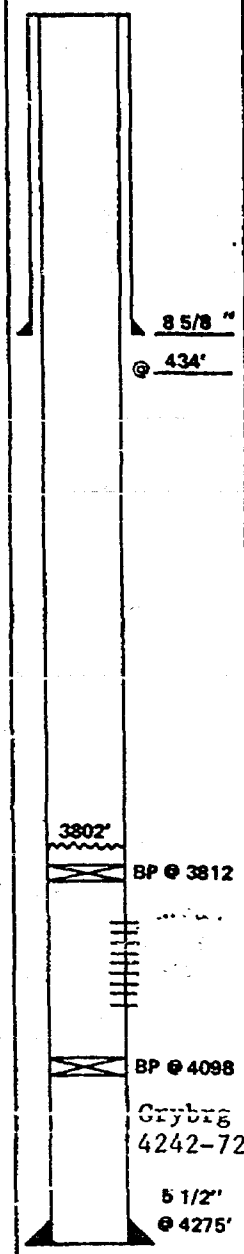
ZONE	TOP	SUBSEA
Anhy	1658	
Yates	2920	
Queen	3720	
Penrose	3870	
GU	4210	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
8/57	G	4242-72	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
3/70		CIBP @ 4098', capped w/1 sk.
		CIBP @ 3812' & capped w/1.5 sx cmt.
		to 3802



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/57	G	12,000 gal. AT; 10x10	frac (4242-72')		
2/63	G	1000 gal. 15% NE FE	AT	8BO,1BW	23BO,
					10BW
4/70	G	1000 gal. 15% NEA; sand			
		frac'd (3838-4034')			

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:8-21-78 KL

COMPLETION DATE 10-7-55 — PROPOSED WELL NO. 30-141 — COMPLETION INTERNAL: 4084-4114(G)

RECOMPLETION DATE —

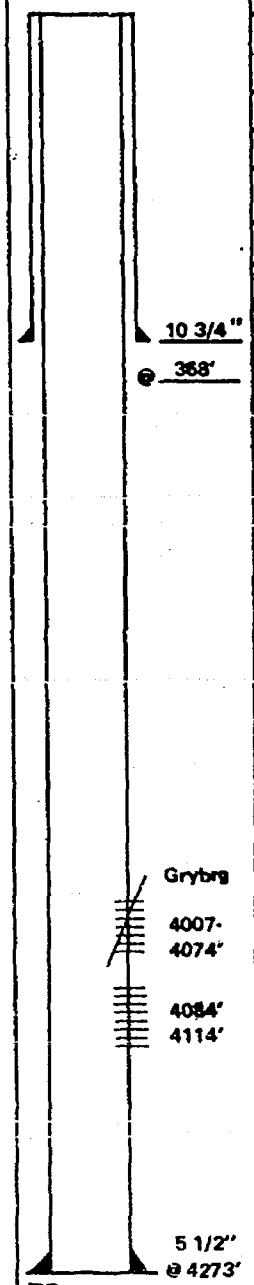
MARATHON STATE 30 NO. 9

HOBBS (G-SA) UNIT

LOCATION 990' FSL & 990' FWL — SECTION 30M — BLOCK —

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3663' [DF] G.L. ELEV. — TD 4273' — PBTD 4227' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	368	200	Circ.	13 3/4"
5 1/2"	15.5 #	4273	3000	Circ.	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
B Salt	2606	
Yates	2690	
7 Riv	2928	
Queen	3480	
GU	3962	-299
GL	4107	-444
I	4123	-460
II	4187	-524
IIIU	4246	-583
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
10/55	G	*4007-12, 4016-30, 4040-	6 JPF
		52, 4062-74	
11/65	G	4084-4114	1 SPF
1/73	G	4084-90, 4099-4101, 4107-	
		14	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
11/65	4007-74	Sqz'd w/150 sx cmt.
12/72	4084-90	Sqz'd w/75 sx cmt. (to reduce GOR)

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
10/55	G	500 gal. AT; 10x10 frac			46BO
11/65	G	1000 gal. 15% AT;			
		20x35 frac.			
8/70	G	1000 gal. 15%	AT		47BO,5BW
1/73	G	2000 gal. 15%	AT		18BO,67BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8-21-78 KL

PROPOSED WELL NO. 31-141

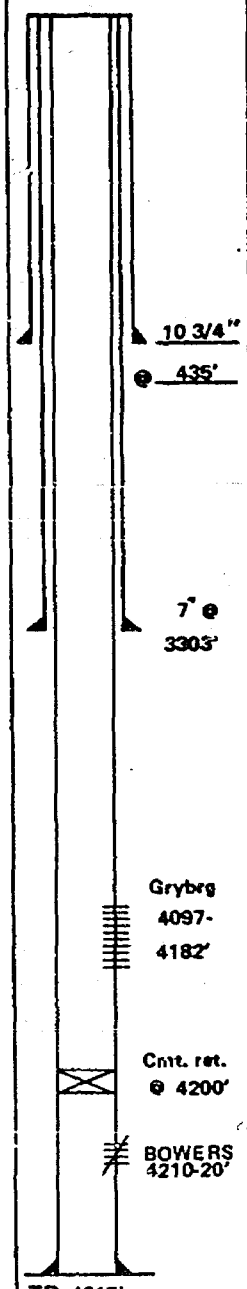
COMPLETION DATE 2-18-50 — MOBIL BERRY NO. 4 — COMPLETION INTERNAL: 4097-4182(G)

RECOMPLETION DATE — HOBBS (G-SA) UNIT

LOCATION 990' FSL & 990' FWL SECTION 31M BLOCK

SURVEY T 18 S, R-38-E COUNTY Lea County, New Mexico

DATUM 3650' [GL] G.L. ELEV. TD 4317' PBTD 4200' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
10 3/4"	32.75#	435	200	Circ.*	13 3/4
7"	23#	3303	500	279*	8 3/4"
5"	15#	4317	100	3132*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1640	
T Salt	1710	
B Salt	2750	
Yates	2850	
Bowers	3346	
GU	4087	-437
GL	4201	-551
I	4226	-576
II	4302	-652
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/50	Bowers	*4210-20	8 Holes
1/65	G	4097-4182	2 JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
1/65	4210-20	Sqz'd w/200 sx cmt; ret. @ 4200'

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/50	Bowers	250 gal.	AT		12 O, 4W
1/65	G	500 gal. 15% NEA + 40			
		x 40 frac.		4BO,12BW	157BO,
					OBW
5/66	G	2000 gal. 28% NEA AT			

OPT — DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/78 KLL

PROPOSED WELL NO. 34-421

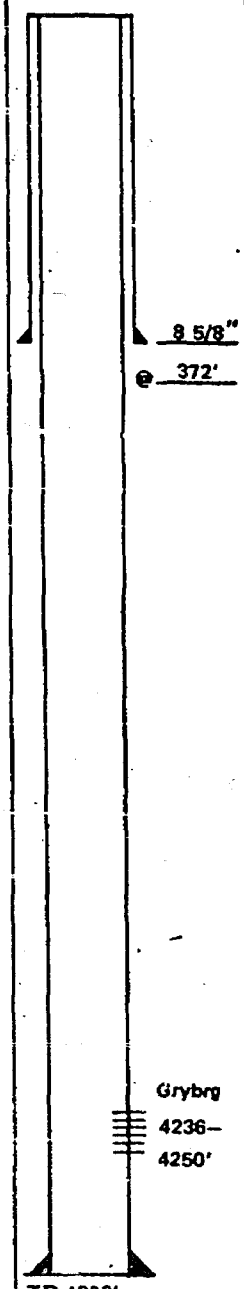
COMPLETION DATE 1-10-62 — MORAN HOBBS NO.1 — COMPLETION INTERNAL: 4236-4250(G)

RECOMPLETION DATE ____ — HOBBS(G-SA) UNIT

LOCATION 2485' FNL & 1184' FEL SECTION 34 H BLOCK ____

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

DATUM 3630' [GL] G.L. ELEV. ____ TD 4303' PBTD 4264' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	372	250	Circ.	12 1/4"
4 1/2"	11.6#	4303	500	2620	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1695	
Yates	2855	
Queen	3645	
Gu	4176	-546
GL	4257	-627
I	4269	-639
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/62	G	4236-40, 4248-50	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/62	G	2000 g	AT		

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 7/78 KLL

PROPOSED WELL NO. 25-121

COMPLETION DATE 1-9-58 — SAMEDAN STATE B NO.2 — COMPLETION INTERNAL: 4140-4236(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 990 FWL — SECTION 25E — BLOCK ____

SURVEY T-18-S, R-37-E — COUNTY Lea County, N.M.

DATUM 3667' [DF] G.L. ELEV. ____ TD 4261' PBTD ____ [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	287	250	Circ.	12 1/4"
5 1/2"	14#	4260	250	2930	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1633	
Salt	1735	
Yates	2840	
7 Riv	3345	
Queen	3634	
Gu	4139	-472
GL	4234	-567
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

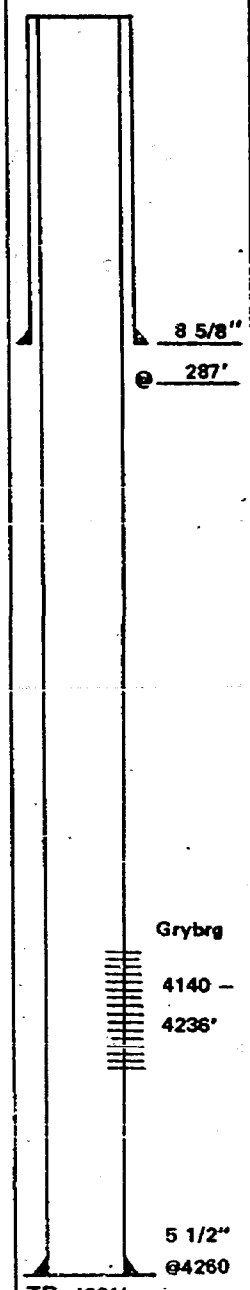
DATE	ZONE	DEPTHS	DENS & SIZE
	G	4231-36, 22-28, 08-14,	4 SPF
		4199-4204, 4186-94,	
		4166-72, 4155-61, 40-48	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
12/57	G	17.5X17.5 frac.	4 intervals-unable to		
			treat rest @8500 psi		
		ball sealers?	intervals unknown		



OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS:

DATE: 8/21/78KLL

WR-3198 D

PROPOSED WELL NO. 28-231

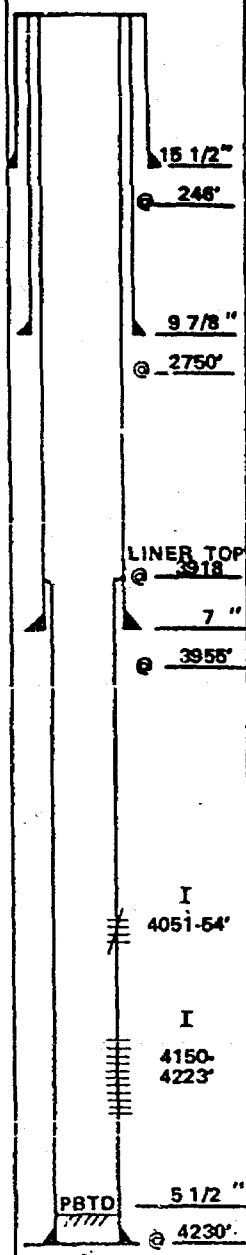
COMPLETION DATE 11-14-33 — SHELL GRIMES NO. 3 — COMPLETION INTERNAL: 4150-4223(IIIU

RECOMPLETION DATE 1946 (Deepened) — HOBBS (G-SA) UNIT

LOCATION 1325' FSL & 1325' FWL — SECTION 28 K — BLOCK

SURVEY T-18-S, R-38-E — COUNTY Lea County, New Mexico

DATUM 3651' [GL] G.L. ELEV. — TD 4231' — PBTD 4228' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	246	150	Circ.*	18"**
9 5/8"	36#	2750	150	2315	12 1/4"**
7"	24#	3955	250	2443*	8 3/4"**
5 1/2"	15.5#	3918	100	3918*	6 1/4"**
Lnr.		4230			

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	3902	-251
GL	3986	-335
I	3999	-348
II	4069	-418
IIIU	4130	-479
IIIL	4231	-580
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/46	III	4150-4223	4 1/2" JPF
12/73	I	*4051-4054	4 1/2" JPF
11/33		3955-4200 OH	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
9/76	4051-54	Sqz'd w/50 sx cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/34		1000 gal. 50%	AT - OH		
2/34		1500 gal. 50%	AT - OH	892BO	2333BO
4/34		1000 gal. 50%	AT - OH		3150BO
2/46	III	500 gal. 15%	AT		
3/70	III	1500 gal. 15% NEA	AT	67BO,	77BO, 3BW
5/71	III	3000 gal. 15% NEA	AT - 3 Stages	54BO,7BW	119BO,16BW
6/72	III	1000 gal. Para-Clean	AT - 4 Stages	14BW	100BO,13BW
12/73	I	2000 gal. 15% NEA	AT - 5 Stages		
9/76	III	500 gal. 15%	AT	29BO,275BW	31BO,298BW
5/78	III	1000 gal. 15% HCl w/NE	AT	25BO,28BW	38BO,76BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: 2120' of 7" csg. pulled & repaired by replacement w/new pipe & lead seals.

DATE: 7-21-78 KLL

WH-31386 D

PROPOSED WELL NO. 20-232

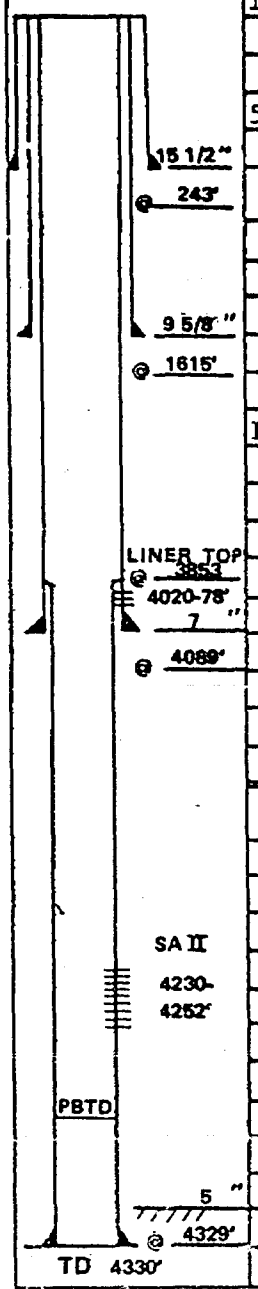
COMPLETION DATE 7/33 — SHELL MCKINLEY B NO. 4 — COMPLETION INTERNAL: 4230-4252(II)

RECOMPLETION DATE 2/73(Deep.) — HOBBS (G-SA) UNIT

LOCATION 1325' FSL & 1325' FWL SECTION 20K BLOCK

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

DATUM 3656' [DF] G.L. ELEV. TD 4330' PBTD 4280' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
15 1/2"	70#	243	150	Circ.*	18"**
9 5/8"	36#	1615	75	1397*	12¼"**
7"	24#	4089	250	2577*	8 3/4"**
5" lnr.	15#	3853/4329	55	3853*	6¼"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4067	-411
GL	4157	-501
I	4157	-501
II	4219	-563
III u	4288	-632
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
3/55	G	*4020-78	4 JPF
2/73	II	*4225, 4229, 4232, 35, 39	7 holes
		4245, 4252	
10/74	II	4230, 4232, 4235,39,47,50	7 holes
		4252	
10/74	II	4249-50, 4251-52	8 holes

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
10/74	4225-52	Sqz'd. w/250 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/51	G,I	500 gal. 15% LST	AT		
6/54	G,I	1500 gal. 15% LST	AT		
3/55	G	1500 gal. 15% LST, 13,200 gal Petrogel - AT			
2/73	II	1500 gal. 15% NEA	AT		
10/74	II	1200 gal. 15% NEA	AT	44BO 40BW 172MCFG	
10/74	II	2000 gal. 15% NEA	AT		
10/74	II	3000 gal. 15% NEA	AT		28BO 38BW 170MCFG

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 7/20/78 KLL

PROPOSED WELL NO. 13-431

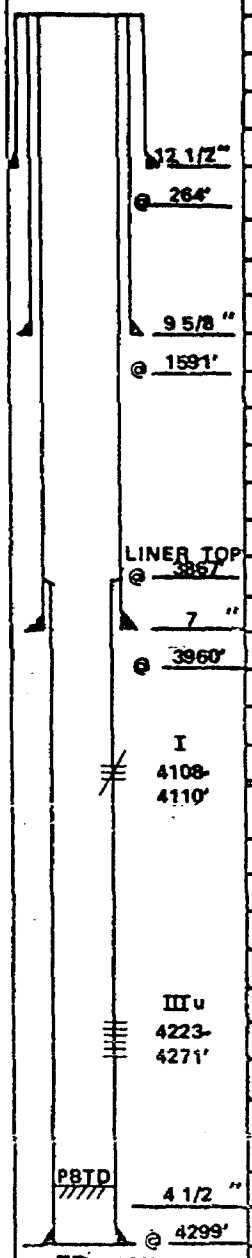
COMPLETION DATE 12/14/35 — SHELL RICE NO. 3 — COMPLETION INTERNAL: 4223-4271(III)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 990' FEL SECTION 13 I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3676' (DF) G.L. ELEV. _____ TD 4300' PBTD 4282' ( )



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	264	220	Circ.	16"
9 5/8"	36#	1591	630	Circ*	12"
7"	24#	3960	160	2992*	8 3/4"
4½" lnr	11.6#	3867/4299	100	3867*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3932	-256
GL	4022	-346
I	4063	-387
II	4138	-462
IIIu	4216	-540
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/74	I	*4108, 4109, 4110	3 holes
6/74	III	4223, 4230, 4239, 54, 60	6 holes
		4271	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/74	4108-10'	Sqz'd. w/275 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
2/58	I	15 X 15 frac			
11/59	G, I	1000 gal. 15% LST AT	OH (4004-88')	7BO 8BW	22BO 22BW
5/61	G, I	2000 gal. 15% NEA	OH (4004-88')	11BO 8BW	52BO 8BW
3/65	G, I	1500 gal. 15% NEA	OH (4004-88')		
7/66	G, I	2000 gal. 28% NEA	OH (4004-88')	6BO 10BW	6BO 10BW
10/71	G, I	3000 gal. 15% NM	OH (4004-88')	3BO 60BW	3BO 156BW
6/74	I	2000 gal. 15% NEA			
6/74	III	2000 gal. 15% NEA			72BO 519BW/D

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: For csg. leak info, see attached.

DATE: 9/12/78KLL

PROPOSED WELL NO. 27-111

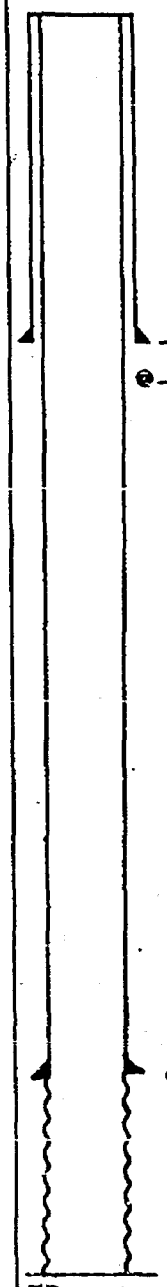
COMPLETION DATE 2-77 — **SHELL SANGER NO.6** — COMPLETION INTERNAL: 4222-4260 (G), 4260-4360 (SA)

RECOMPLETION DATE 3-74 (Deep.) — **HOBBS (G-SA) UNIT**

LOCATION 1200' FNL & 470' FWL SECTION 27D BLOCK

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3641' [GL] G.L. ELEV. TD 4360 PBTD [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24 #	347	275	Circ.*	12¼"
5 1/2"	15.5 #	4222	450	1861*	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Yates	2861	
Bowers	3365	
Queen	3585	
Penrose	3774	
GU	4159	-518
GL	4249	-608
I	4260	-619
II	4299	-658
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
2/70	I	4262-75 OH	
4/71	G,I	4222-75 OH	
3/74	G,I,II	4222-4360 OH	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/70	4275	600 g. 15% HCl, 2000 g.			
		28% HCl	AT - 3 Stgs.		
2/70	4262-75	2000 g. 28% NEA	AT		
4/71	G,I	2000 g. 15% NE + 26.5			
		x 34.6 frac.		13BO, 7BW	22BO, 22B
3/74	G,I,II	2000 g. 15% NE-FEA	AT - 2 Stages	16 BO, 12 BW	16 BO, 10B
5/78		1000 g. 15% HCl w/NE	Dump AT	9BO, 10BW	9BO, 8B

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

Rev. 12-8-78

DATE: 7-20-78 KL

PROPOSED WELL NO. 24-211

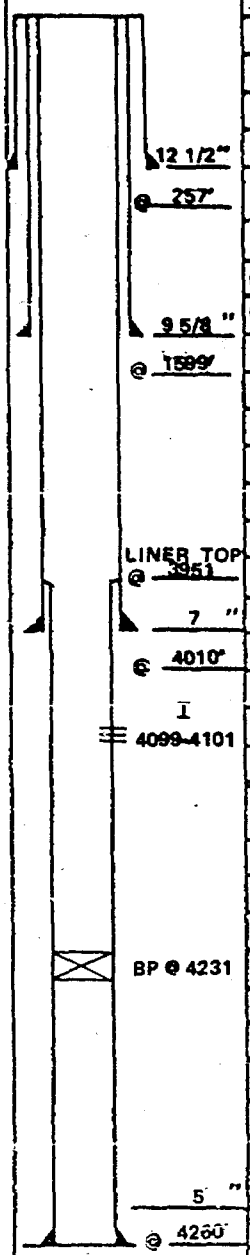
COMPLETION DATE 3-30-35 — SHELL STATE D NO. 2 — COMPLETION INTERNAL: 4099-4101(I)

RECOMPLETION DATE 5-10-41 — HOBBS (G-SA) UNIT

LOCATION 660' FNL & 1980' FWL SECTION 24C BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3675' [DF] G.L. ELEV. TD 4260' PBTD 4231' [BP]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
12 1/2"	50#	257	150	Circ.	16"
9 5/8"	36#	1599	200	865*	11-3/4**
7"	24#	4010	250	2498*	8-3/4**
5" lnr.	15#	3952/4260	100	3952*	6 1/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	3945	-270
GL	4030	-355
I	4035	-360
II	4128	-453
IIIu	4210	-535
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/41	III	*4231-35	3 1/2" JPF
7/47	II	*4186-94	4 1/2" JPF
7/47	III	*4215-25	4 1/2" JPF
7/47	II	*4178-80	4 1/2" JPF
5/48	II	*4201-09	4 1/2" JPF
1/73	II	*4137, 4142, 4149, 4153	1 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
7/47	4231-35 4178-80	Sqz'd w/cmt.
2/73	4137-53	Sqz'd w/95SX cmt.
5/73	4137-53	Sqz'd w/33SX cmt.
5/73	4141-52	Sqz'd w/75 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/35	4010/4260	2000 gal. Dowell X	AT		
2/48	II	8000 gal. 15% LST	AT-2 stages		
3/48	II	5000 gal. 15%	AT		
5/48	II	500 gal. 15%, LST	AT		
8/50	II	1000 gal. 15% LST	AT		
3/60	II	500 gal. 15% NEA	AT	12BO	64BO 27BW
5/61	II	1500 gal. 15% NEA	AT	18BO	30BO 47BW
3/64	II	1500 gal. 15%NEAw/FE	AT	17BO 36BW	33BO 36BW
9/66	II	2000 gal. 28% NEA	AT	16BO 38BW	27BO 74BW
9/71	II	3000 gal. 15% NM	AT	11BO 32BW	20BO 53BW
10/62	II	1000 gal. 15% MCA	AT	14BO 16BW	31BO 46BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 9/12/78 KLL

COMPLETION DATE _____ Shell State D No. 2 COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ Hobbs (G-SA) Unit

LOCATION _____ SECTION _____ BLOCK _____

SURVEY _____ COUNTY _____

DATUM _____ ( ) G.L. ELEV. _____ TD _____ PBTD _____ ( )

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4-73	II	*4137, 4141, 4142, 4149,	
		4151, 4153	1-1/2" JPF
5-73	II	*4141, 4142, 4149, 4150,	
		4152, 4153	1-1/2" JPF
2-74	I	4099, 4100, 4101	1-1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1-73	II	2500 gal. 15% NEA	AT		
2-74	I	2000 gal. 15% NEA	AT		
1-76	I	500 gal. 15% HCl-NEA	AT		
11-76	I	500 gal. 15% HCl-NEA	AT	52BO, 162BW	56 BO, 184BW

LINER TOP @ _____ " _____ @ _____ " _____ @ _____ PBTD

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE:

PROPOSED WELL NO. 23-321

COMPLETION DATE 7/15/57 — SHELL STATE "F" NO.2 — COMPLETION INTERNAL: 4106-4158 (G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FNL & 1650' FEL SECTION 23G BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3688' [DF] G.L. ELEV. _____ TD 4265' PBTD 4162' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	32#	309	300	Circ.	12 1/4"
5 1/2"	15.5#	4265	1355	Circ.	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

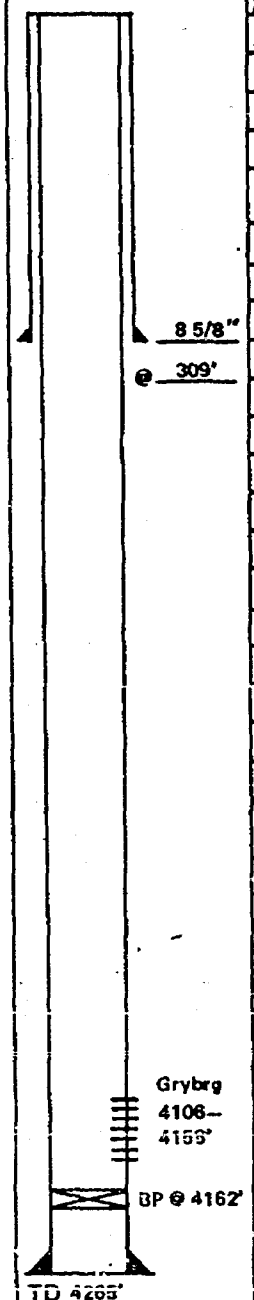
ZONE	TOP	SUBSEA
Gu	4068	-380
GL	4159	-471
I	4194	-506
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/57	G	*4106-20, 4134-60, 4184-90	4 1/2" JPF
7/57	G	4106-20, 4136-40, 4148-58	4 1/2" JPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
6/57	4106-90	Sqz'd w/375 SX cmt.



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/57	G	6000g. MCA + 15 X 15 FRAC			
1/62	G	1000g. 15% NEA			330, 61W
3/64	G	1000g. 15% NEA-FE		200, 39W	230, 49W
3/65	G	1500g. 15% NEA		160, 38W	220, 118W
10/71	G	3000g. 15% NM		40, 50W	140, 126W
11/74	G	500g. 15% NEA		20, 90W	80, 125W

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 7/78 KLL

PROPOSED WELL NO. 31-121

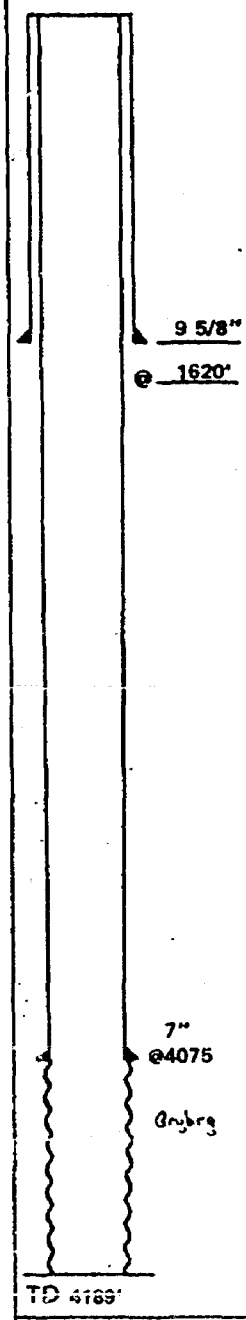
COMPLETION DATE 4-11-49 — SUN FOWLER NO. 4 — COMPLETION INTERNAL: 4075-4189(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1980' FNL & 990' FWL SECTION 31E BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3655' [DF] G.L. ELEV. _____ TD 4189' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
9 5/8"	36 #	1620	800	Circ.	12 1/4"
7"	23 #	4075	400	2608	8 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
GU	4054	-399
GL	4180	-525
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
4/49	G	4075-4189	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: See attached for remedial work done on this well.

DATE: 8-21-78 KT

PROPOSED WELL NO. 20-331

COMPLETION DATE 3-18-54 — B. SWEET BOWERS B NO.2-A — COMPLETION INTERNAL: 4198-4202(I)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 2010' FEL SECTION 20J BLOCK _____

SURVEY T-18-S, R-38-E COUNTY Lea County, New Mexico

DATUM 3654' [GL] G.L. ELEV. _____ TD 4202' PBTD _____ [ ]

*CALCULATED **ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT	TOC	HOLE SIZE
8 5/8"	40#	252	150	Circ.	11"**
5 1/2"	15.5#	4130	600	982*	7 7/8"**

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	3013	
Yates	4194	
GU	4099	-445
GL	4189	-535
I	4192	-538
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

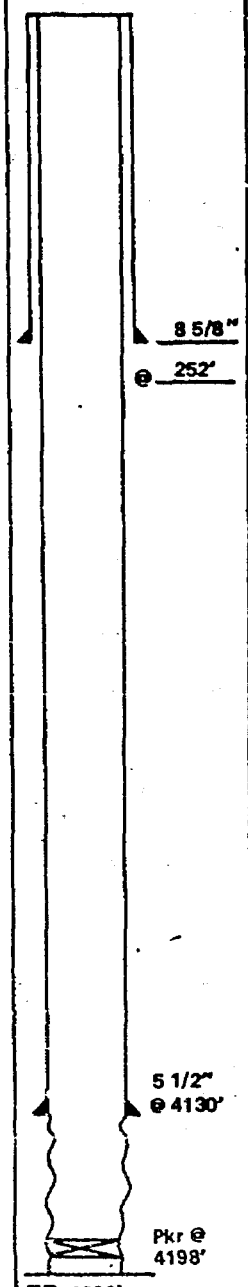
DATE	ZONE	DEPTHS	DENS & SIZE
3/54	I	4198-4202	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
3/54		200 gal.	AT		6630



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: All bradenheads closed w/bleeder lines brought to surf. w/valve attached.
Valves will be open permanently.

DATE: 8-21-78 KI

PROPOSED WELL NO. 20-421

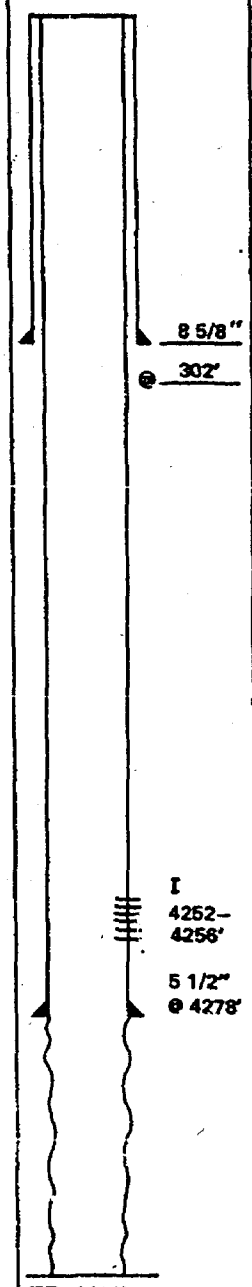
COMPLETION DATE 5/2/52 — C.H. SWEET McKINLEY B NO. 2 — COMPLETION INTERNAL: 4252-4256(I)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FNL & 990' FEL SECTION 20 H BLOCK _____

SURVEY T-18-S, R-33-E COUNTY Lea County, N.M.

DATUM 3654' [GL] G.L. ELEV. _____ TD 4414' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	302	150	Circ.	11"
5 1/2"	15.5#	4278	200	2952	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Gu	4128	-474
GL	4216	-562
I	4223	-569
II	4283	-629
IIIu	4343	-689
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/52	I	4252-56	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/52	I	500 gal.	AT		

OPT

DATA AVAILABLE OST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Cored 4135-56, 4156-4213, 4216-38, 4243-57, 4257-78, 4278-9[illegible], 4293-4325

DATE 8/21/78KLL

PROPOSED WELL NO. 23-411

COMPLETION DATE 6/19/51 — C.H. SWEET STATE F NO. 1-A — COMPLETION INTERNAL: 3915-4073(G)

RECOMPLETION DATE 8-63 (TA) — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 330 FEL SECTION 23A BLOCK

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3686' [DF] G.L. ELEV. TD 4115' PBTD 4073' [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	23.7#	334	125	Circ	11"
5 1/2"	15.5#	3915	75	3406	6 3/4"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1600	
T.Salt	2450	
B.Salt	2750	
Gu	3975	-289
GL	4086	-400
I	4110	-424
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

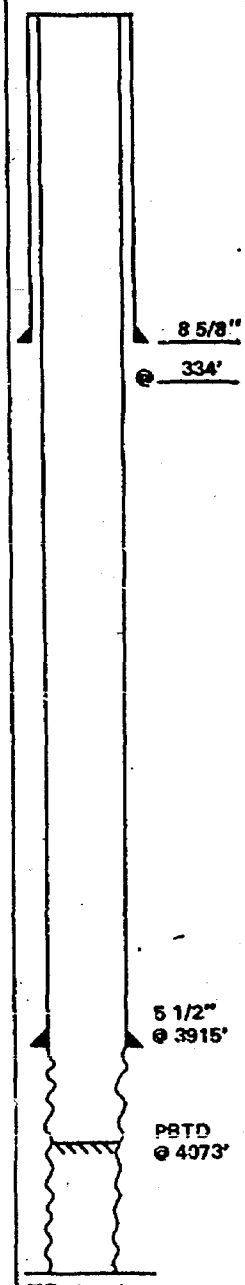
DATE	ZONE	DEPTHS	DENS & SIZE
6/51	G	3915-4073	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/51		1000 gal. AT (3950-4080)			
6/51		1000 gal. AT (4035-4095)			
6/51		1000 gal. AT (4095-4115)			90BO OBW
5/53		5000 gal. AT (3950-4101)			55BO OBW



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78 KLL

PROPOSED WELL NO. 23-431

COMPLETION DATE 1/17/53 — C.H. SWEET STATE F NO. 3 — COMPLETION INTERNAL: _____

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 330'FEL SECTION 23I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3681' [DF] G.L. ELEV. _____ TD 4191' PBTD _____ [ ]

CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24.7#	252	125	Circ.	12"
5 1/2"	15.5#	3993	300	1922*	7 3/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1610	
T.Salt	2460	
B.Salt	2760	
Gu	4049	-368
GL	4144	-463
I	4152	-471
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

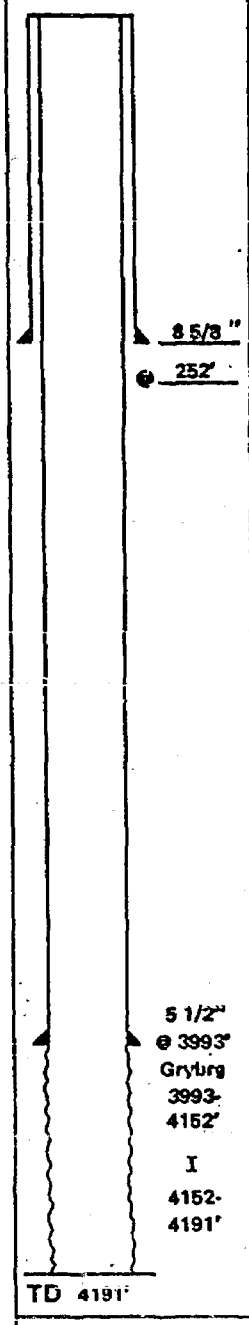
DATE	ZONE	DEPTHS	DENS & SIZE
1/53	G	3993-4152	OH
1/53	I	4152-4191	OH

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/53	G,I	1000 gal.	AT		
		5000 gal.	AT		5780 .3%W



OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 8/21/78KLL

PROPOSED WELL NO. 14-431

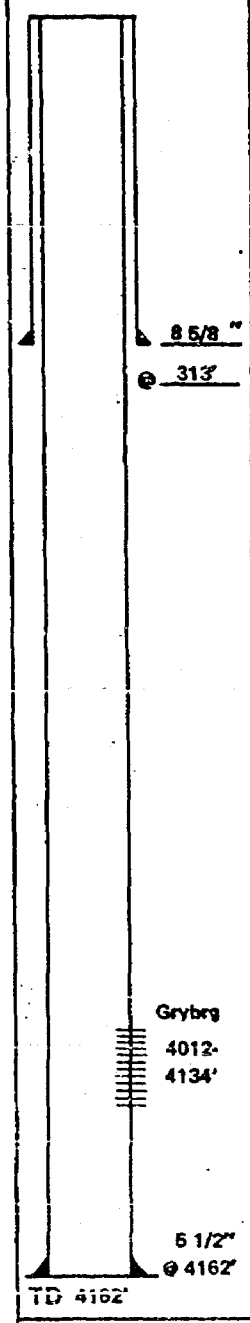
COMPLETION DATE 1/13/58 — TEXAS PAC STATE V NO. 1 — COMPLETION INTERNAL: 4012-4134(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FSL & 330' FEL SECTION 14I BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3690' [DF] G.L. ELEV. _____ TD 4162' PBTD 4159' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	314	300	Cir.	12 1/4"
5 1/2"	14#	4162	300	2558'	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
7 Riv	3012	
Gueen	3537	
Penrose	3674	
Gu	4016	-326
GL	4128	-438
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/58	G	4012-26, 56-78, 4092-4102	288 holes
		4108-18, 4124-34	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/58	G	1000 gal. AT; 30 X 30	frac		208BO 0BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS: Cored 4050-4100: rec. 50', oil show; 4100-32: rec. 32', oil show; ran logs.

DATE 8/21/78KLL

PROPOSED WELL NO. 23-211

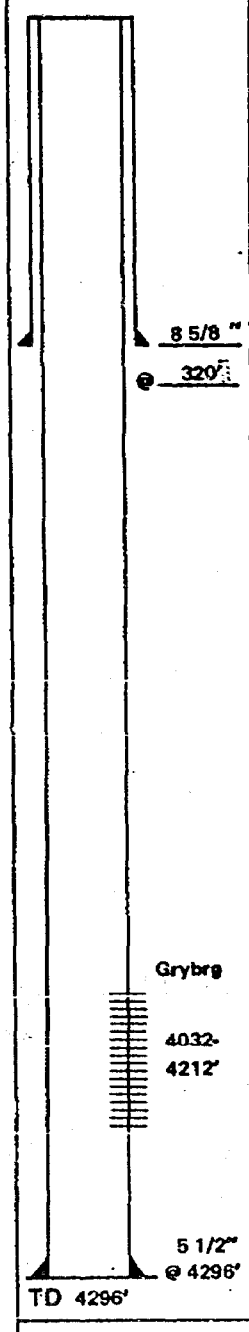
COMPLETION DATE 2-22-59 — TEXAS PAC STATE V NO. 3 — COMPLETION INTERNAL: 4032-4212(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 330' FNL & 2310' FWL SECTION 23C BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3689' [DF] G.L. ELEV. ____ TD 4296' PBTD 4286' [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	28#	320	325	Circ.	12 1/4"
5 1/2"	14#	4296	300	2905	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1632	
Yates	2817	
7 Riv	3090	
Bowers	3390	
Queen	3690	
Gu	4129	-440
GL	4262	-573
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
1/59	G	*4238-78	4 SPF
2/59	G	4088-4108, 4128-42, 48-70,	4 SPF
		4186-98, 4204-12	
3/64	G	4032, 4036, 4040, 4048,	1 SPF
		4064, 4069	

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE
2/59	4238-78	Sqz'd w/77 SX cmt.

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
1/59	G	500 gal. AT. 15X15	frac		120BO,80/BW
2/59	G	25.5X25.5 frac (3stg. down tbg. & annulus)		240 BO 150BW	166 BO, 0BW
3/64	G	1000 gal. AT; 1000x250 frac		7BO, 2BW,	18BO 0BW

OPT — DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE: 8/21/78 KLI

WR-3198 B

PROPOSED WELL NO. 23-231

COMPLETION DATE 6/12/59 — TEXAS PAC STATE V NO. 5 — COMPLETION INTERNAL: 4146-4256(G)

RECOMPLETION DATE ____ — HOBBS (G-SA) UNIT

LOCATION 2310' FSL & 2310' FWL SECTION 23K BLOCK ____

SURVEY T-18-S, R-37-E COUNTY Lea County, N.M.

DATUM 3690' [DF] G.L. ELEV. ____ TD 4330' PBTD 4300' [ ]

*CALCULATED **ESTIMATE

CASING RECORD

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"	24#	310	350	Circ.	12"
5 1/2"	15.5#	4330	300	2630	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

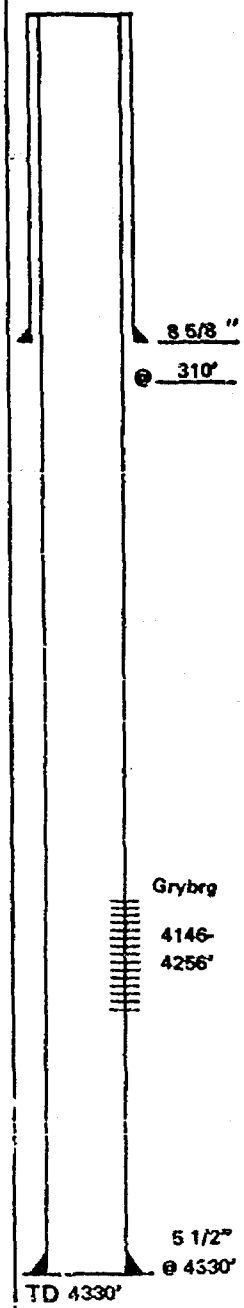
ZONE	TOP	SUBSEA
Yates	2868	
7 Riv	3150	
Bowers	3434	
Queen	3680	
Penrose	3838	
Gu	4148	-458
GL	4241	-551
I	4276	-586
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
6/59	G	4146-60, 4164-70, 4174-80	4 SPF
		4188-92, 4196-4204, 4228-56	

SQUEEZE & REPA

DATE	DEPTH	WO[illegible] DONE



STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
6/59	G	1000 gal. AT; 20X20	frac		18980 35BW

OPT

DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER

REMARKS:

DATE 3/21/78 KLL

PROPOSED WELL NO. 23-341

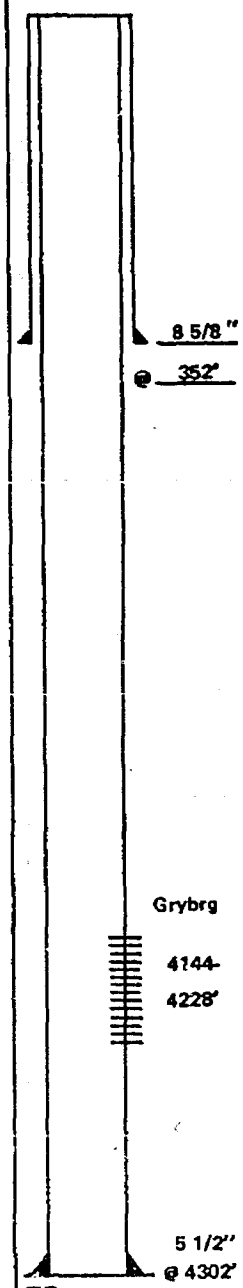
COMPLETION DATE 5-23-56 — YATES SHELL STATE NO. 3 — COMPLETION INTERNAL: 4144-4228(G)

RECOMPLETION DATE _____ — HOBBS (G-SA) UNIT

LOCATION 1650' FEL & 990' FSL SECTION 230 BLOCK _____

SURVEY T-18-S, R-37-E COUNTY Lea County, New Mexico

DATUM 3683' [DF] G.L. ELEV. _____ TD 4302' PBTD _____ [ ]



CASING RECORD *CALCULATED **ESTIMATE

SIZE	WT.	DEPTH	CMT.	TOC	HOLE SIZE
8 5/8"		352	180	Circ.	12 1/2"
5 1/2"		4302	750	*367	7 7/8"

LOGGING RECORD

DATE	CO.	TYPE	INTERVAL

LOG TOPS

ZONE	TOP	SUBSEA
Anhy	1655	
B Salt	2715	
Yates	2860	
7 Riv	3130	
Queen	3675	
GU	4142	-459
GL	4234	-551
I	4252	-569
GOC		
OWC		

PERFORATIONS AND/OR OPEN HOLE * NOT OPEN NOW

DATE	ZONE	DEPTHS	DENS & SIZE
5/56	G	4144-52, 4180-96, 4222-28	4 SPF

SQUEEZE & REPAIR

DATE	DEPTH	WORK DONE

STIMULATION

DATE	ZONE	AMOUNT & TYPE	METHOD	BEFORE	AFTER
5/56	G	15 x 15	frac		62BO

OPT

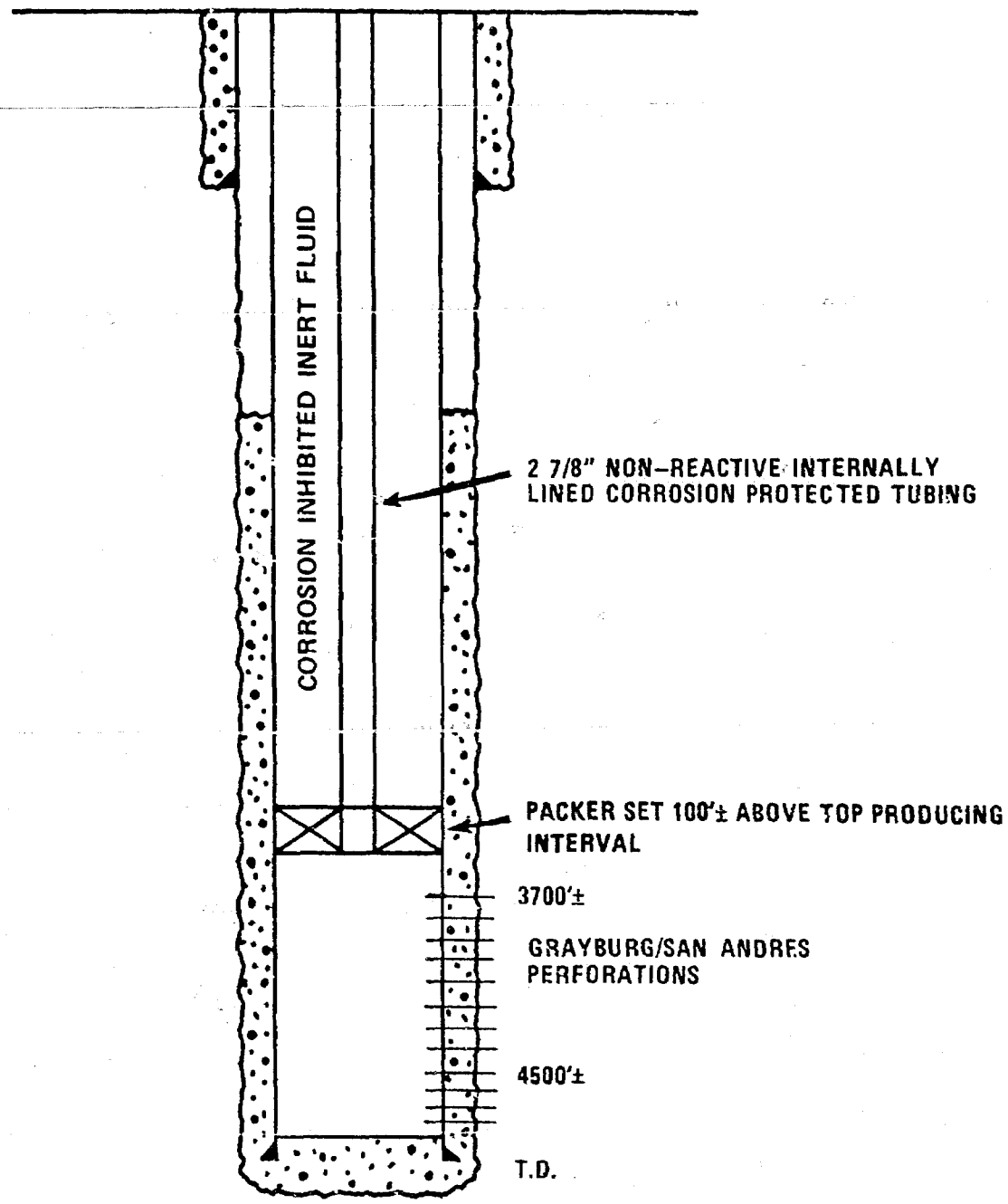
DATA AVAILABLE DST ☐ CORE ☐ PVT ☐ OTHER ☐

REMARKS: DST #1 5/12/56 (4253-70') - Open 2 hrs., closed in 20 min. No gas to surf Rec. was 60' of gas cut drlg. mud & 30' grey colored drlg mud. DST #2 5/12/56 (4280-90') - Open 2 hrs., closed in 20 min. Gas to surf. in 5 min. No fluid to surf. Rec. 330' of oil & gas cut mud & 200' of salty water.

DATE 8-21-78 KLL

2Z00969-03

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT

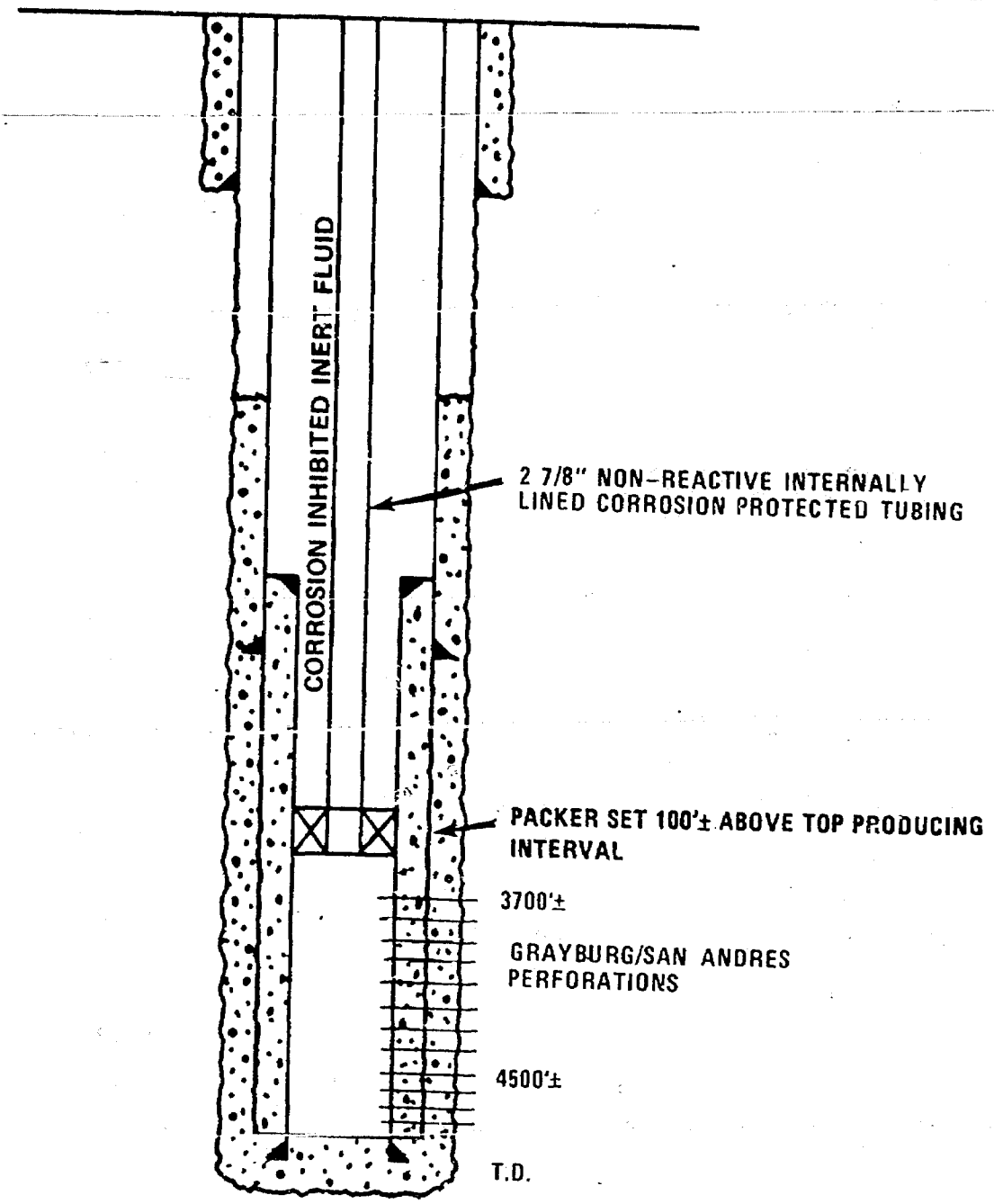


SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
TWO CASING STRINGS

PRESSURE MAINTENANCE PROJECT
EXHIBIT "6"

2Z00969-02

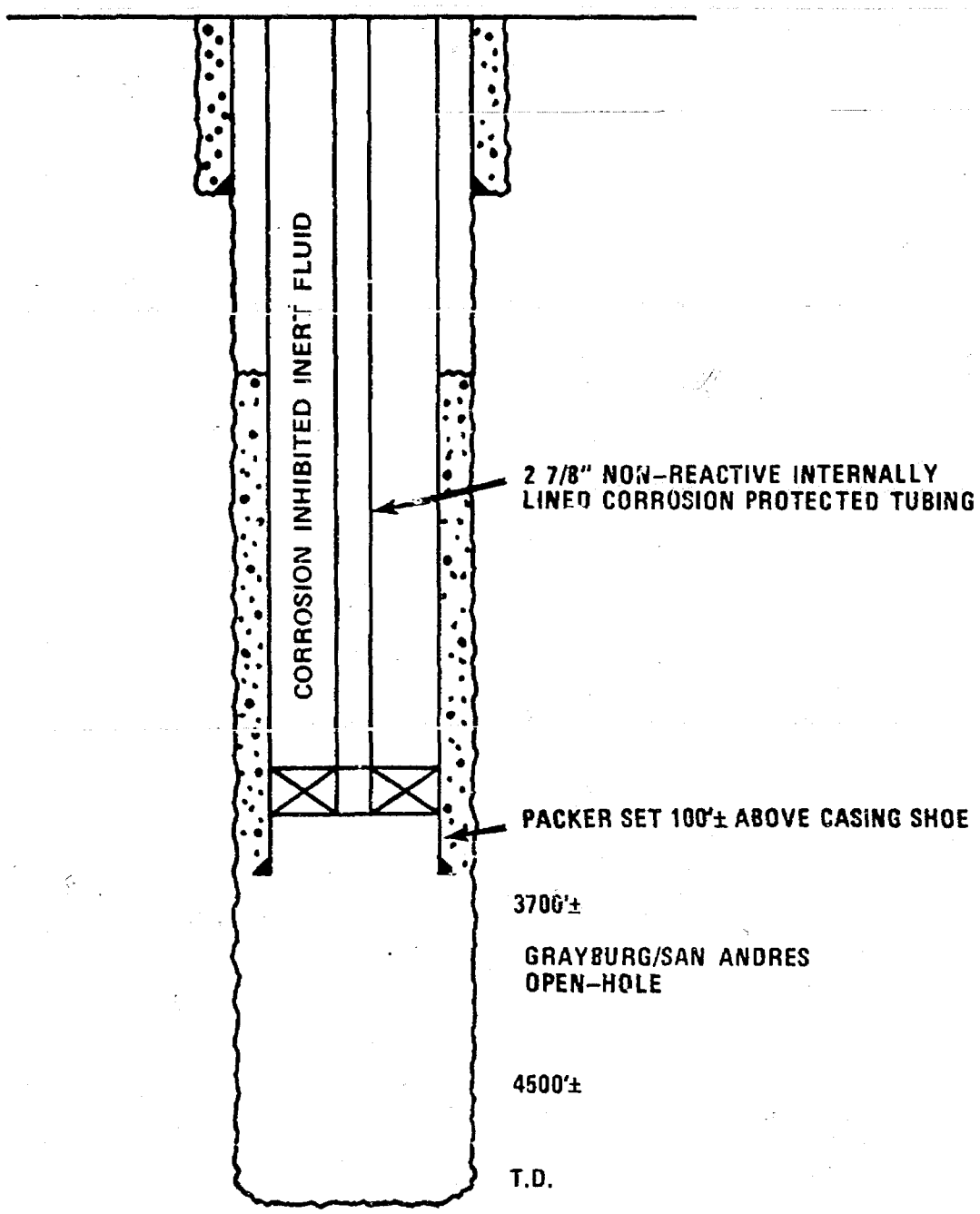
NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
W/LINER

2Z00969-07

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL CONVERSION
OPEN-HOLE COMPLETION

NORTH HOBBS (G/SA) UNIT

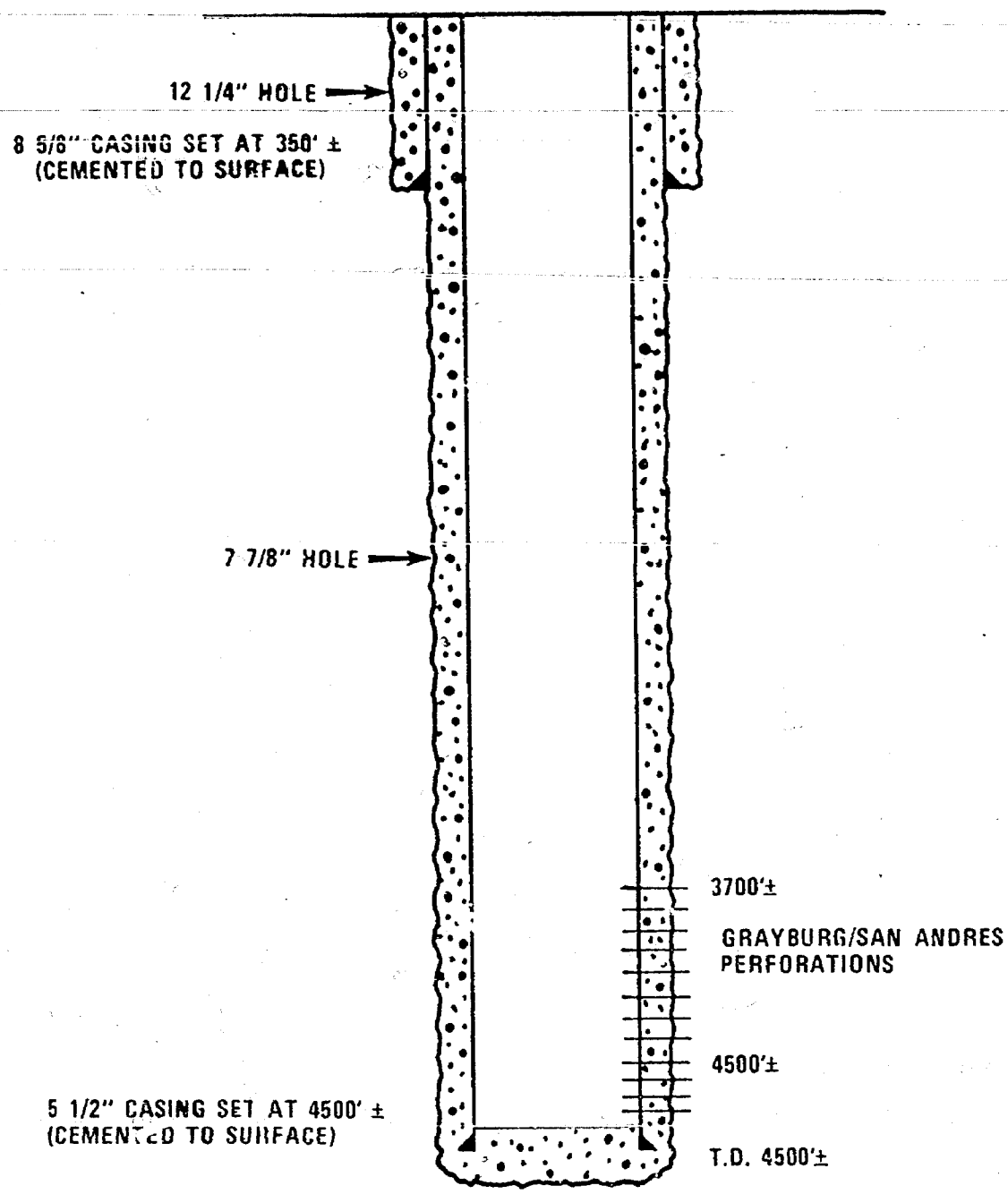
WELL NUMBERS
(BUDGET APPROVED)
NEW DRILLING WELLS

Sec.	Unit Letter	Unit Well #	Proposed Location	Zone	Type
24	N	24-242	1220' FSL & 2540' FWL	SA ZN II, III U	Inj.
29	M	29-142	1220' FSL & 100' FWL	SA ZN II, III UL	Inj.
33	D	33-112	1220' FNL & 100' FWL	SA ZN II, III UL	Inj.
18	N	18-242	1220' FSL & 2540' FWL	SA ZN II, III U	Inj.
19	M	19-142	1220' FSL & 100' FWL	SA ZN II, III U	Inj.
19	O	19-242	1220' FSL & 254' FWL	SA ZN II, III U	Inj.
25	A	25-412	1220' FNL & 1220' FEL	SA ZN II, III U	Inj.
29	D	29-112	330' FNL & 1000' FWL	Grayburg	Inj.
29	N	29-242	1220' FSL & 1650' FWL	SA ZN II, III UL	Prod.
30	F	30-222	2540' FNL & 1420' FWL	SA ZN II, III U	Inj.
31	I	31-432	2540' FSL & 1220' FEL	SA ZN II, III U	Inj.
31	P	31-442	100' FSL & 1220' FEL	SA ZN II, III U	Inj.
32	A	32-412	1220' FNL & 1220' FEL	SA ZN II, III UL	Inj.
32	E	32-122	2310' FNL & 1220' FWL	SA ZN II, III UL	Inj.
32	I	32-432	2310' FSL & 1310' FEL	SA ZN II, III UL	Prod.
32	N	32-242	100' FSL & 1420' FWL	SA ZN II, III UL	Inj.
32	P	32-442	100' FSL & 1220' FEL	SA ZN II, III UL	Inj.
33	C	33-212	1220' FNL & 1440' FWL	SA ZN II, III UL	Inj.
33	J	33-332	2540' FSL & 2540' FEL	SA ZN II, III UL	Prod.
33	K	33-232	1420' FSL & 1420' FWL	SA ZN II, III UL	Prod.
33	N	33-242	100' FSL & 1420' FWL	SA ZN II, III UL	Inj.
33	O	33-342	100' FSL & 1420' FEL	SA ZN II, III UL	Inj.
14	P	14-441	625' FSL & 750' FEL	SA ZN II, III UL	Prod.

PRESSURE MAINTENANCE PROJECT
EXHIBIT "7"

2Z00969-04

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT

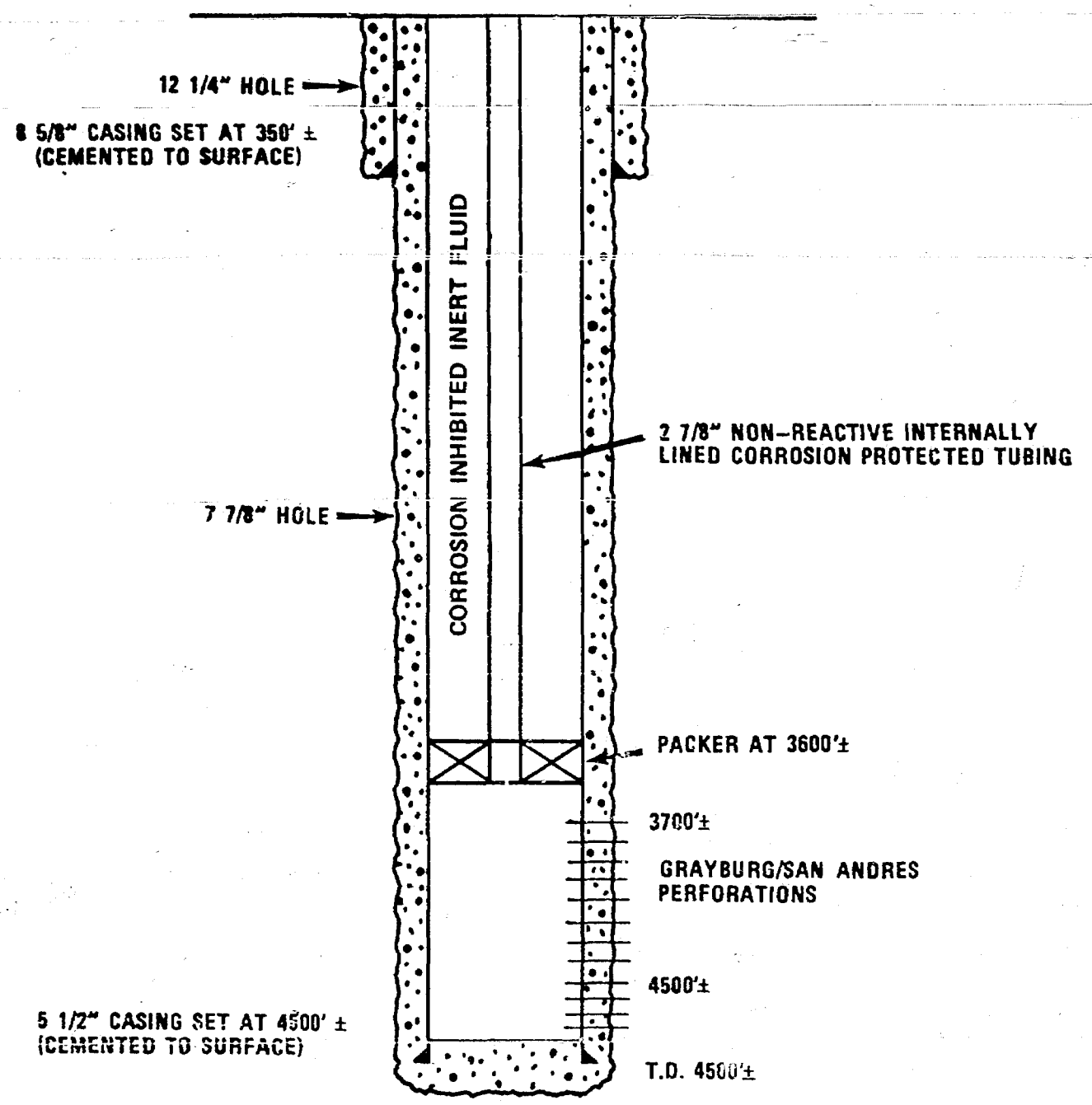


SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED PRODUCING WELL
SURFACE CASING TO 350'±

PRESSURE MAINTENANCE PROJECT
EXHIBIT "8"

2Z00969-01

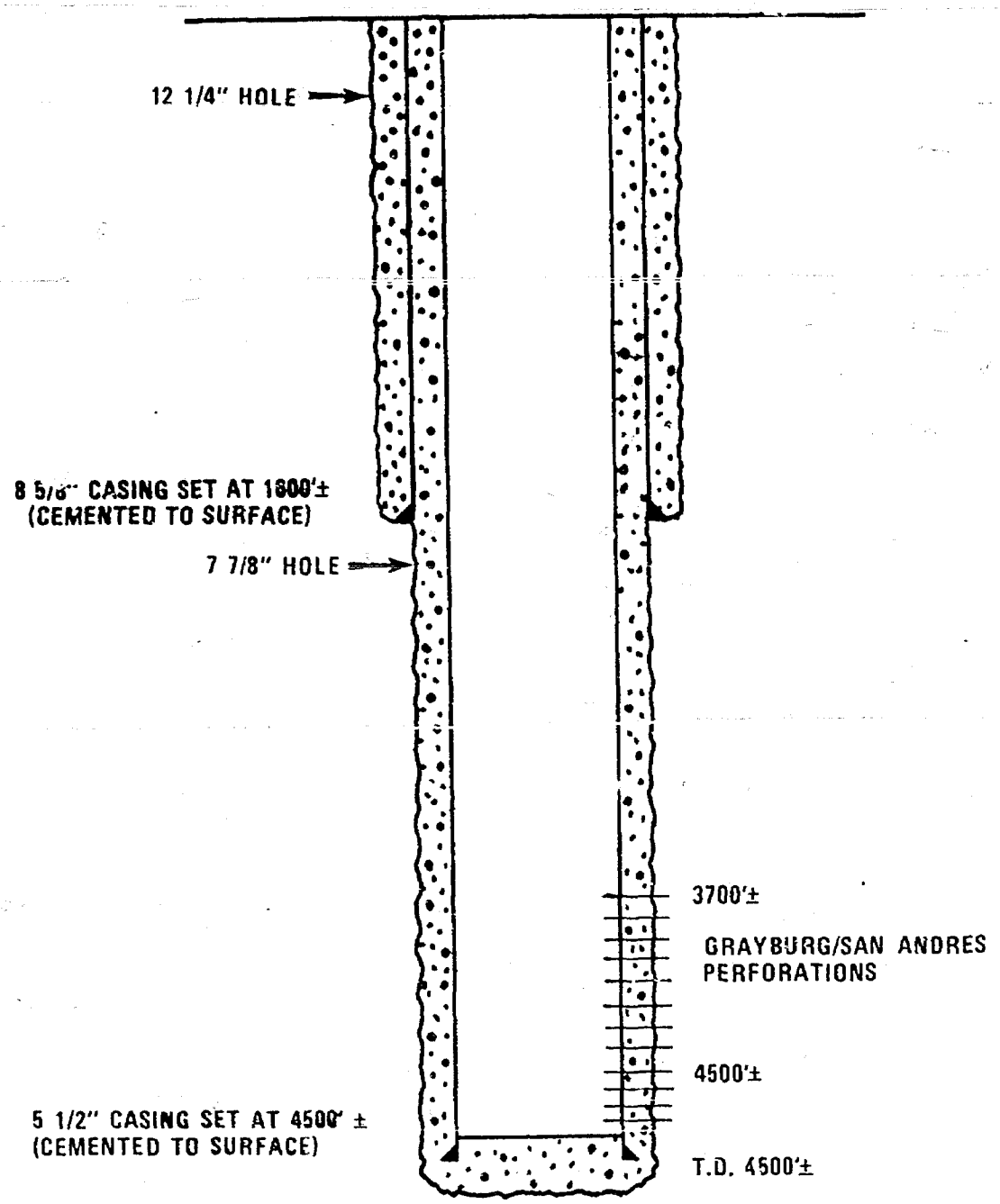
NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED INJECTION WELL
SURFACE CASING TO 350'±

2200969-08

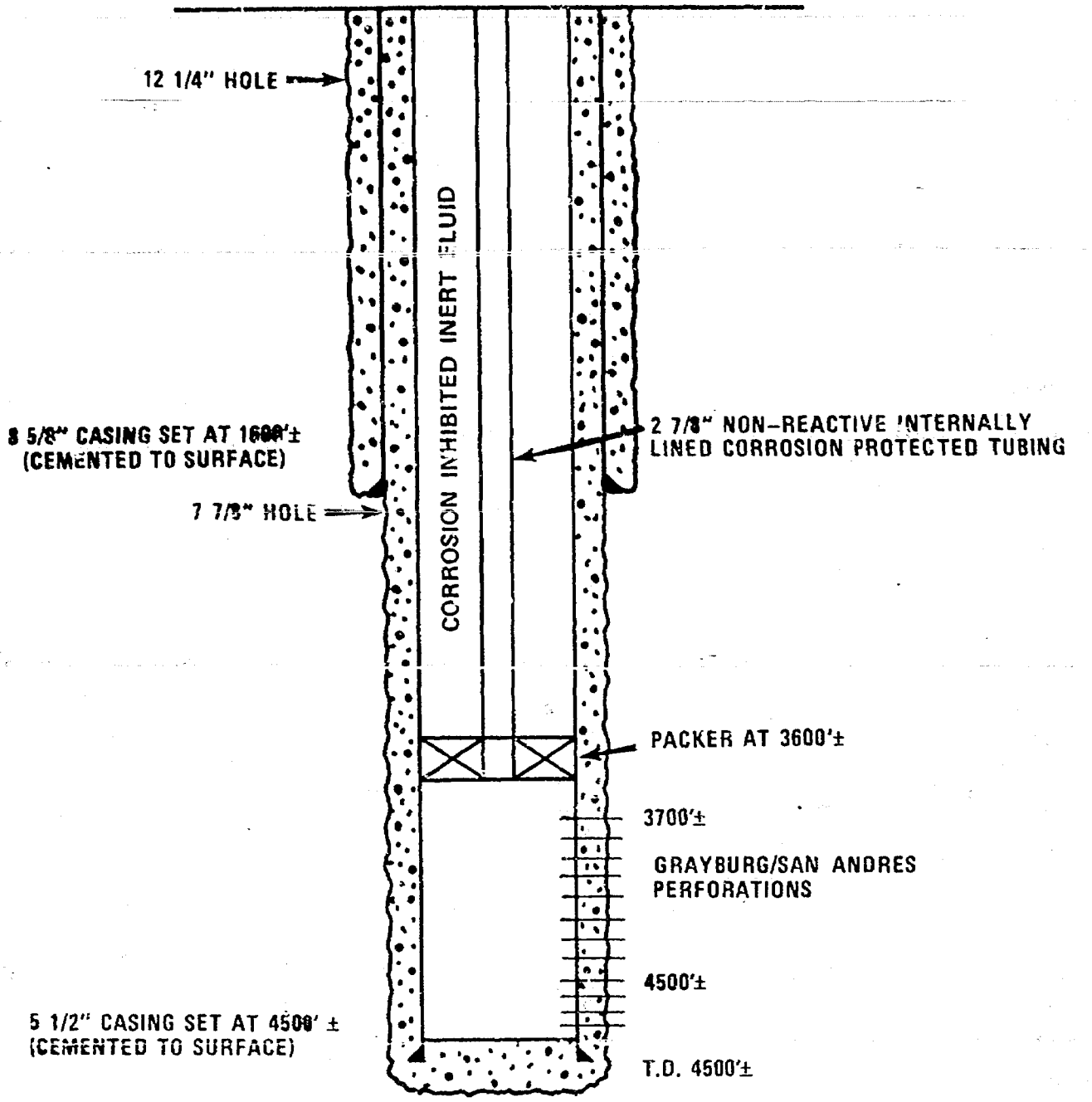
NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED PRODUCING WELL
SURFACE CASING TO 1600'±

2Z00969-05

NORTH HOBBS GRAYBURG-SAN ANDRES UNIT



SCHEMATIC COMPLETION DIAGRAM
TYPICAL NEWLY DRILLED INJECTION WELL
SURFACE CASING TO 1600'±

UNAVAILABLE LOGS FOR PROPOSED INJECTION WELLS

OPERATOR	LEASE NAME & WELL NO.
Antwiel	Hobbs CT No. 1
Cities Service	Fowler No. 2
Continental	Grimes No. 4
Exxon	New Mexico State No. 1
Getty	Hardin No. 4
Bill Sweet	Bowers "B" No. 2-A

PRESSURE MAINTENANCE PROJECT
EXHIBIT "9"