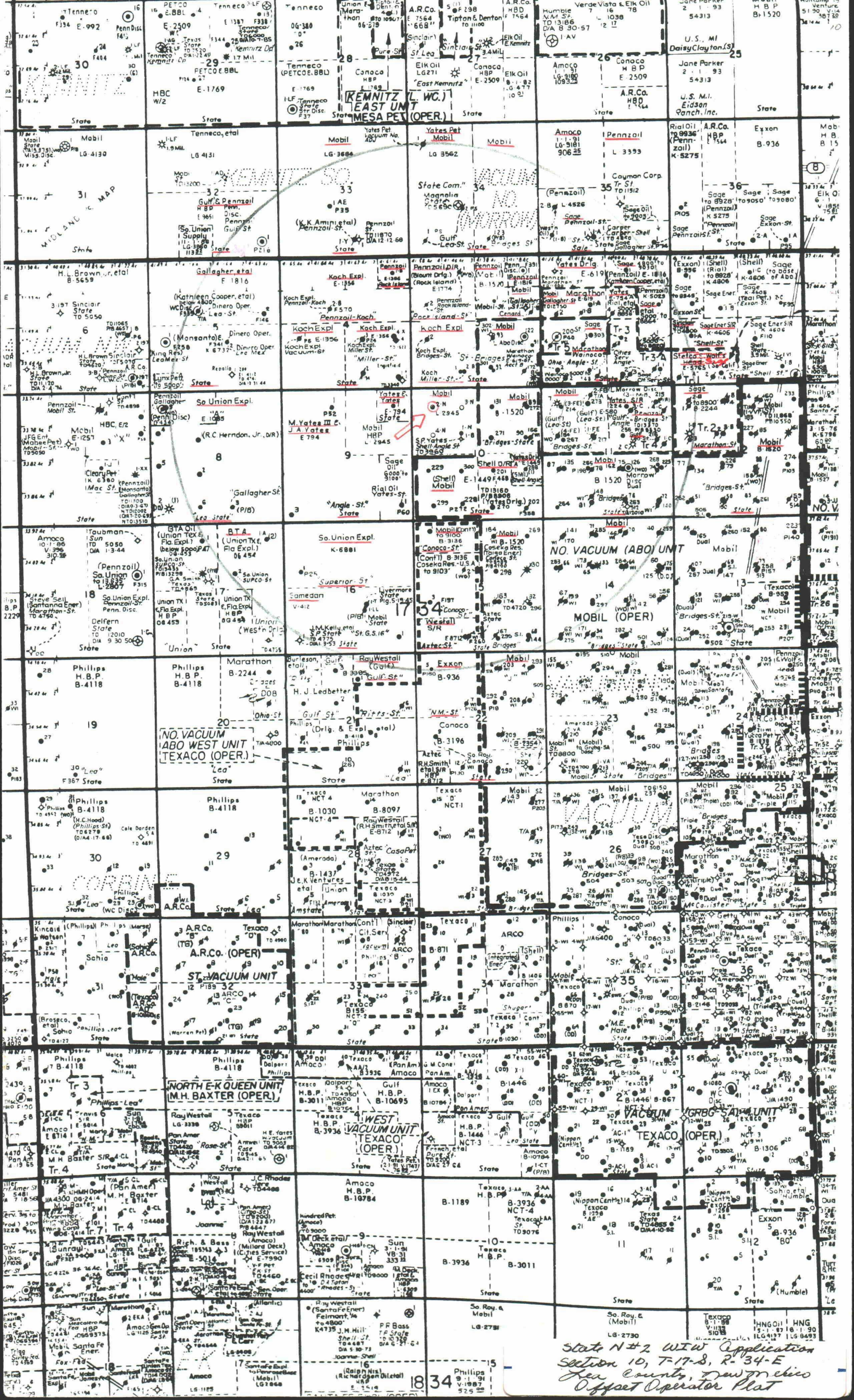
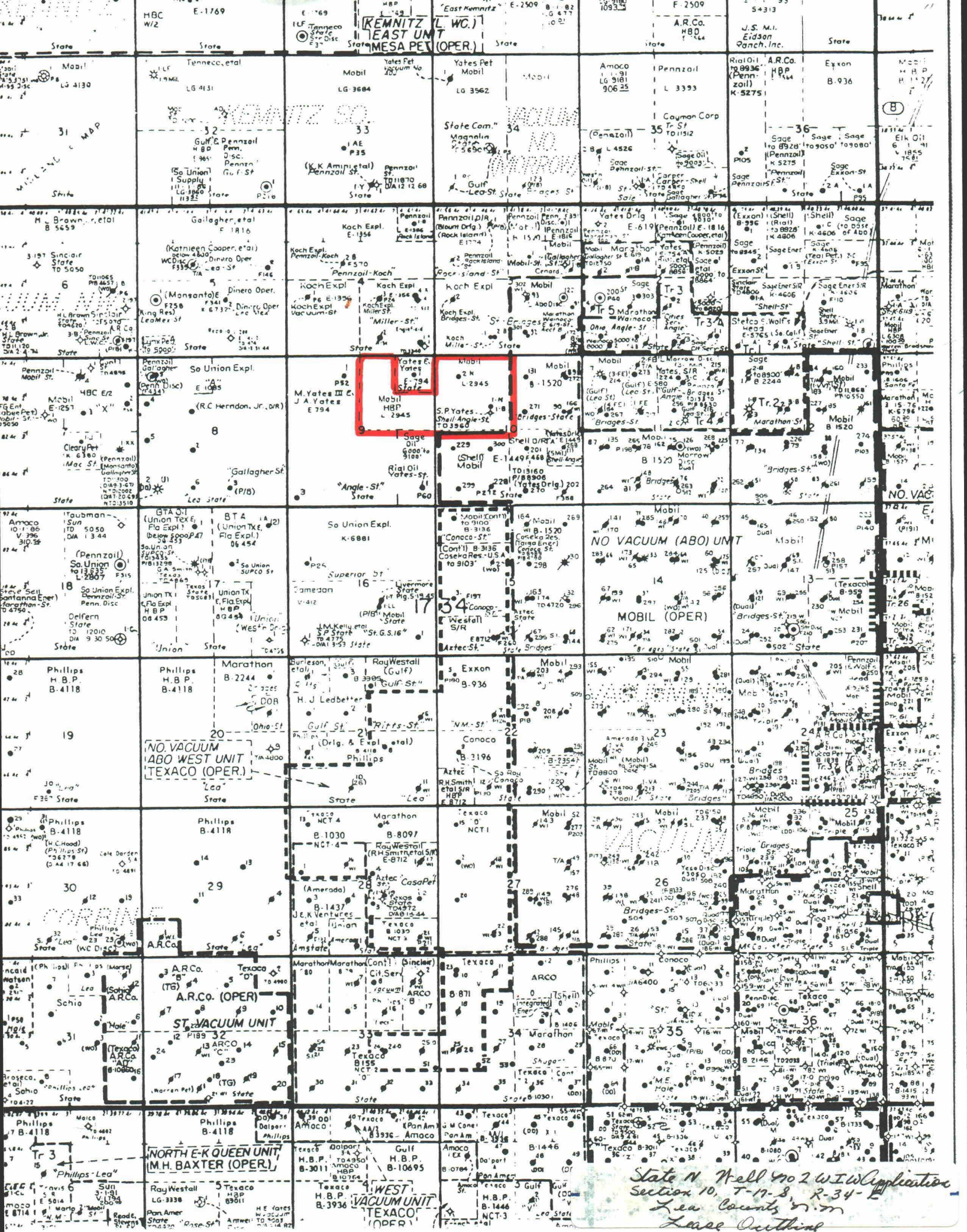




State N#2 WIW Application
Section 10, T-17-S, R-34-E
Lea County, New Mexico
Offset Operator Plat



NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

54. Unit - Type of Lease State ☒ Fee ☐	
5. State Oil & Gas Lease No. L-2945	
7. Unit Agreement Name	
8. Farm or Lease Name State "N"	
9. Well No. 2	
10. Field and Pool, or Wildcat Undesignated	
12. County Lea	
19. Elev. Casinghead 4070	
25. Was Directional Survey Made No	
25. Deviation Survey	
27. Was Well Cored No	

1a. TYPE OF WELL b. TYPE OF COMPLETION OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐ NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐					
2. Name of Operator The Superior Oil Company					
3. Address of Operator P. O. Box 1900, Midland, Texas 79701					
4. Location of Well UNIT LETTER D LOCATED 735 FEET FROM THE North LINE AND 840 FEET FROM THE West LINE OF SEC. 10 TWP. 17-S RGE. 34-E NMPM					
15. Date Spudded 3-3-72	16. Date T.D. Reached 3-28-72	17. Date Compl. (Ready to Prod.) 4-13-72	18. Elevations (DF, RKB, RT, GR, etc.) RKB: 4082, GL: 4070	19. Elev. Casinghead 4070	
20. Total Depth 8970	21. Plug Back T.D. 8909	22. If Multiple Compl., How Many - - -	23. Intervals Drilled By 0-8970	Rotary Tools Cable Tools	
24. Producing Interval(s), of this completion - Top, Bottom, Name Abo Zone Pay Top: 8714 Bottom: 8762					25. Was Directional Survey Made No
26. Type Electric and Other Logs Run Schl. GR-Sidewall Neutron - Caliper & Dual Laterolog					27. Was Well Cored No
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11-3/4"	43#	250	15"	350 Sacks circulated	None
8-5/8"	24# & 32#	3072	11"	1000 Sks. T cmt @ 425'	None
5-1/2"	15.5# & 17#	8970	7-7/8"	1435 sks. T cmt @ 1800'	None
29. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
	None				
31. Perforation Record (Interval, size and number) 8760-62', 8752-58', 8741-43', 8733', 8724-28', 8714-17' w/2 jet shots per foot. Total of 36 holes, I.D. of holes .50"			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
			8714'-8762'	3000 gal 20% acid	
			8714'-8762'	20,000 gal 20% acid	
33. PRODUCTION					
Date First Production 4-5-72		Production Method (Flowing, gas lift, pumping - Size and type pump) Pump: 2-1/2" x 1-1/4" x 10' x 12' x 16'			Well Status (Prod. or Shut-in) Prod.
Date of Test 4-22-72	Hours Tested 24	Choke Size --	Prod'n. For Test Period 77	Oil - Bbl. 92	Gas - MCF 6
Flow Tubing Press. ---	Casing Pressure 25	Calculated 24-Hour Rate 77	Oil - Bbl. 92	Gas - MCF 6	Water - Bbl. 36.6
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented at present pending pipeline connection.					Test Witnessed By A. B. Taylor
35. List of Attachments GR - Sidewall Neutron - Caliper & Dual Laterolog					THE SUPERIOR
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief. APR 27 1972					
SIGNED T. D. Clay TITLE Petroleum Engineer DATE 4-24-72					
COPY TO: U. BROSSARD J. S. MARTIN J. A. BOBBITT M. L. LEIERER					

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2898</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3900</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4694</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>6107</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard <u>7440</u>	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>8156</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Abo Pay <u>8714</u>	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	250	250	Sand & gravel				
250	1030	780	Red beds				
1030	1220	190	Sand, shale & salt				
1220	3100	1880	Anhydrite & limestone				
3100	3930	830	Limestone & sand				
3930	5441	1511	Lime, sand and dolomite				
5441	6775	1334	Limestone & shale				
6775	8200	1425	Limestone, shale & sand				
8200	8460	260	Limestone & dolomite				
8460	8934	474	Dolomite				
8934	8970	36	Dolomite & shale				
	T.D.	8970					

RECEIVED
 APR 25 1972
 OIL CONSERVATION COMM.
 HOBBS, N. M.

STATE "N" NO. 2
NORTH VACUUM FIELD
LEA COUNTY, NEW MEXICO

KB: 4082'
GL: 4070'
TD: 8970'
PBD: 8909'
TLD: 12.00'

11-3/4", 42#
H-40, ST&C
@250'
w/350 sks

8-5/8", 24#, & 32#,
K-55, ST&C, @ 3072'
w/1000 sxs,
(TOC @ 425')

279 jts of
2-7/8", 6.5#, J-55,
EUE, R-2, 8rd tubing
w/tail @ 8801'

5-1/2", 15.5# & 17#, N-80 &
K-55, L+ST & C @ 8970'
w/1435 sax
(TOC @ 1800')

Rods and Pump as ran:

2-1/2" X 1-1/4" X 16' pump
@ 8769'
10 X 1" grade 75
207 X 3/4" grade 75
79 X 7/8" grade 81
53 X 1" grade 75

Baker Model "B" tension anchor
set w/19,000# and 50,000# shear
pins @ 8703'

Perforations 8714'-8762'0/A (36 holes)

2-1/2" FP mech SN w/out bushing
@ 8769'

PBD @ 8909'
TD @ 8970'

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
L-2945	

NO. OF COPIES RECEIVED	
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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

1a. TYPE OF WELL						7. Unit Agreement Name					
b. TYPE OF COMPLETION						8. Farm or Lease Name					
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐						State "N"					
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐						9. Well No.					
2. Name of Operator						1					
3. Address of Operator						10. Field and Pool, or Wildcat					
P. O. Box 1900, Midland, Texas 79701						North Vacuum-Abo					
4. Location of Well											
UNIT LETTER <u>F</u> LOCATED <u>1780</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM						12. County					
THE <u>West</u> LINE OF SEC. <u>10</u> TWP. <u>17-S</u> RGE. <u>34-E</u> NMPM						Lea					
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF, RKB, RT, GR, etc.)		19. Elev. Casinghead			
1-20-72		2-18-72		2-25-72		RKB: 4073, GR: 4061		4061			
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By		Rotary Tools Cable Tools			
8910		8876		-----		----->		0-8910 -----			
24. Producing Interval(s), of this completion - Top, Bottom, Name								25. Was Directional Survey Made No			
Abo Zone. Top: 8702' Bottom: 8771'								Deviation Survey			
26. Type Electric and Other Logs Run								27. Was Well Cored			
Schl. GR-Sidewall Neutron-Caliper & Dual Laterolog								No			
28. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
11-3/4"		42#		250'		15"		350 Sks. circulated		None	
8-5/8"		32# & 24#		3,082'		11"		1,000 Sks. T. Cmt. 600'		None	
5-1/2"		17# & 15.5#		8,910'		7-7/8"		1,250 Sks. T. cmt. 3200'		None	
29. LINER RECORD										30. TUBING RECORD	
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE	
		None								2-1/2"	
										DEPTH SET	
										8756	
										PACKER SET	
										Tbg. anchor	
										at 8689'	
31. Perforation Record (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
8702'-8704', 8712'-8715' & 8740'-8750'						DEPTH INTERVAL					
with 2 jet shots per foot. Total of 30 holes						8702-8750'					
I.D. of holes 0.51".						8702-8750'					
						750 gal 15% Halib. MCA.					
						10,000 gal 20% NE acid.					
						COPY TO: M. U. BROUSSARD J. A. BOBBITT					
						DATE: R. G. BIESELE E. E. BRANSON					
						J. S. MARTIN M. L. LEIERER					
33. PRODUCTION										WARREN	
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)						Well Status (Prod. or Shut-in)			
2-24-72		Swab and Flowing						Prod.			
Date of Test		Hours Tested		Choke Size		Prod'n. For Test Period		Oil - Bbl.		Gas - MCF	
2-27-72		8		1"		----->		130		86	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.	
Varied		0		----->		390		258		24	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By					
Vented at present pending pipeline connection						A. B. Taylor					
35. List of Attachments											
GR-Sidewall Neutron-Caliper & Dual Laterolog											
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.											
SIGNED		T. D. Clay				TITLE		Petroleum Engineer		DATE	
J. D. Clay										3/14/72	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates 2898	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen 3902	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 4692	T. Simpson	T. Gallup	T. Ignacio Qtzte
T. Glorieta 6115	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard 7460	T. Delaware Sand	T. Entrada	T.
T. Abo 8158	T. Bone Springs	T. Wingate	T.
T. Abo Pay 8702	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn. "A"	T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	250	250	Sand & Gravel				
250	1959	1709	Salt, Anhydrite & Sand				
1959	2630	671	Salt & Anhydrite				
2630	3089	459	Anhydrite and Sand				
3089	3339	250	Sand and Lime				
3339	4293	954	Sand and Lime w/Salt Stks				
4293	5549	1256	Lime and Dolomite				
5549	6050	501	Limestone & Cherty Sand				
6050	7226	1176	Limestone and Sand W/Shale				
7226	7539	313	Limestone, Shale & Sand				
7539	7832	293	Limestone & Sand				
7832	8018	186	Limestone & Shale				
8018	8295	277	Limestone & Dolomite				
8295	8558	263	Limestone & Tr. Chert				
8558	8665	107	Dolomite & Chert				
8665	8910	245	Dolomite				
	T.D.	8910					

RECEIVED

MAR 23 1972

OIL CONSERVATION COMM.
HOBBS, N. M.

LOCATION F-1780 FNL-1980 FNL COU 1 LEA STATE N.M. GL 4061

10-175-34E

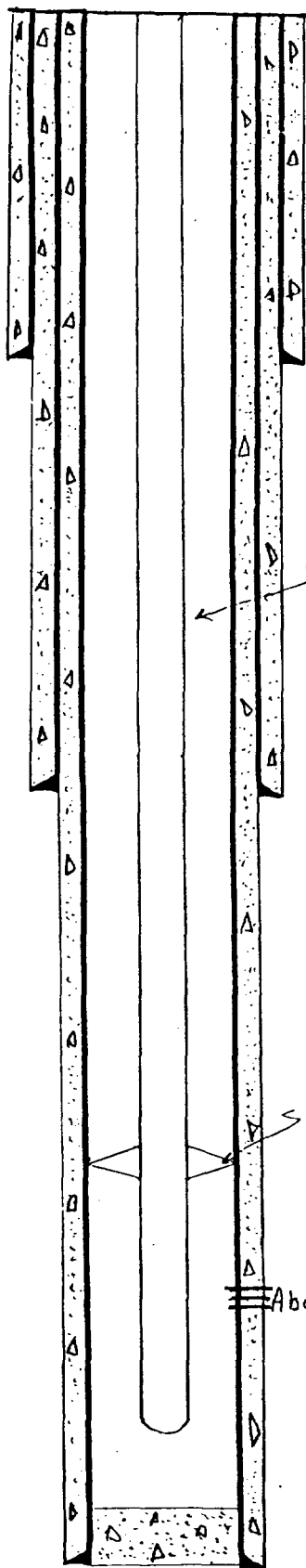
SIGNED L. D. GILPIN

DF 4073

KB 4073

ZERO

PRESENT



— 11³/₄" 42# H-40, ST+C @ 250' w/ 350 SX, CIRC, 15" HOLE

← 282 JTS 6.5# J55 EUE 2⁷/₈" Tbg TO 8787'

— 8⁵/₈" 24# + 32# K-55, ST+C, @ 3082, w/ 1000 SX
(TOC @ 600'), 11" HOLE

← BAKER 5¹/₂" MODEL B TENSION Tbg ANCHOR @ 8685' w/ 16000 # T

≡ Abo PERFS @ 8702-04; 8712-15; 40-50 w/ 2JSPF + 36 HOLES

SN @ 8750'

— 5¹/₂" 15.5# + 17# N-80 + K-55, L+ST+C @ 8910 w/ 1250 SX
(TOC @ 3200'), 7⁷/₈" HOLE

TD-8910'
PBTD-8876'

LOCATION F-1780 FNL-1980 FNL COU...Y LEA
10-175-34E

SIGNED L. D. GILPW

STAT. N. M.

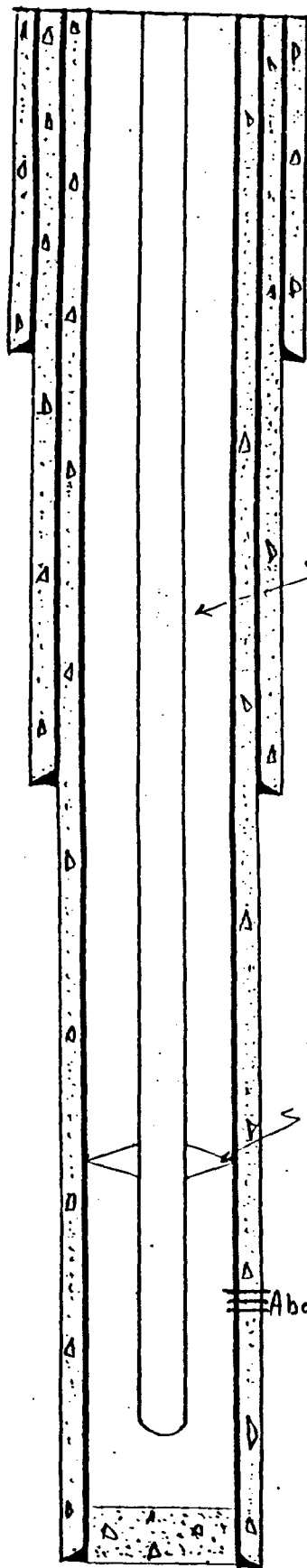
GL 4061

DF

KB 4073

ZERO

PROPOSED



— 11^{3/4}", 42# H-40, ST+C @ 250' w/ 350 SX, CIRC, 15" HOLE

← 282 JTS 6.5" J55 EUE 2^{7/8}" Tbg TO 8787'

— 8^{5/8}", 24# + 32#, K-55, ST+C, @ 3082, w/ 1000 SX
(TOC @ 600'), 11" HOLE

← BAKER 5^{1/2}" MODEL B TENSION Tbg ANCHOR @ 8685' w/ 16000 # T

≡ Abo PRATS @ 8702-04; 8712-15; 40-50 w/ 2 JS PF + 30 HOLES - 8694-98; 8765-69;
88-92; 8802-12; 18-24; 36-40; 48-50; 8857-64 w/ 1 JS PF
SN @ 8750' 49 HOLES

— 5^{1/2}", 15.5# + 17#, N-80 + K-55, L+ST+C @ 8910 w/ 1250 SX
(TOC @ 3200'), 7^{3/8}" HOLE

TD-8910'
PBTD-8908

ILLEGIBLE

10-11-71

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
2-1520	

19. TYPE OF WELL	
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐	
b. TYPE OF COMPLETION	
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐	
2. Name of Operator	
Mobil Oil Corporation	
3. Address of Operator	
Box 633, Midland, Texas 79701	
4. Location of Well	
UNIT LETTER B LOCATED 770 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 10 - TWP. 17-3 RGE. 34-E NMPM	

7. Unit Agreement Name
8. Farm or Lease Name
Bridges State
9. Well No.
131
10. Field and Pool, or Wildcat
Vacuum Abo, North
12. County
Lee

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
9-2-71	9-21-71	9-25-71	4861 GA	-
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
8,860	-	-	-	☒

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
8,663-8,721 Vacuum Abo, North	Yes
26. Type Electric and Other Logs Run	27. Was Well Cored
Schl. GR-Collar-Corr. SWN. Dual Laterolog	No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/4	330	255	17-1/2	450 X	-
8-5/8	280	3,052	11	1400 X	-
8-1/2	150 & 170	8,850	7-7/8	2300 X	-

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8	8,795	-

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
8,663, 87, 75, 96, 99, 8,704, 08, 10, 13 & 8,721	DEPTH INTERVAL
2-JSPF total of 20 holes	8,663-8,721
	AMOUNT AND KIND MATERIAL USED
	Runco acidized w/10,000 gals
	15% HCl acid + 50 FR/1000 gals
	+ 20 RCM Ball Sealers

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
9-26-71		Pump 2" x 1-1/4 x 12"				Prod.	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
10-7-71	24	2" Tub.	-	224	198.2	8-BLN	885
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
-	-	-	-	-	-	34.3	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Sold to Phillips Petroleum	H. R. Elledge

35. List of Attachments
(1) Daily Drilling Summary

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.		
SIGNED	TITLE	DATE
<i>[Signature]</i>	Authorized Agent	10-11-71

UUM (ABO) NORTH FIELD)
LEA COUNTY, NM
B-10-175-34E

131

Elevation:

BJ cmt w/ 450 SX Class H
cmt w/ 1/4 # cellofate/SX + 2%
CaCl₂/SX. cmt. circ.

9 JTS 12 3/4 33# J-55
LT & C CSG set @ 255'

BJ cmt w/ 1200 SX TLW w/
7 1/2 # salt/SX + 200 SX Class C
cmt w/ 2.6 # salt/SX. cmt circ.

76 JTS 8 3/8 28# ST & C
L.B. FOSTER CSG set @ 235'

TBG: 64 JTS 2 7/8 to 2007'
212 JTS 2 7/8, GUIB
TA CATCHER, 5 JTS 2 7/8
to 8795'

GUIB TA set @ 8606'
w/ 21000 # T

ABO PERFS: 8663; 67; 75; 96;
8699'
8704; 08; 10; 13;
8721' w/ 215PF
- 20 holes

TBG PERFS: 8762-65'

PBTD 8817'
269 JTS 5 1/2 17# 15#

ST & C & LT & C CSG set @ 8850'

SN @ 8761'

BJ cmt w/ 2100 SX TLW w/ 1/4 #
Floccle/SX in 1st 1000 SX + 200 SX
Class C Next cmt. cmt circ.

TD 8850'

PBTD 8817'

WTB 1/19/81

MOBIL PRODUCING TEXAS & NEW MEXICO INC.
PROPOSED WATER INJECTION WELLS
NORTH VACUUM ABO FIELD
LEA COUNTY, NEW MEXICO

Well Data

North Vacuum Abo Unit #131
790' FNL & 1980' FEL, Sec. 10, Unit B, 17-S, 34-E

12-3/4" @ 255' w/450 sx circ.
8-5/8" @ 2356' w/1400 sx circ.
5-1/2" @ 8850' w/2300 sx circ.

2-3/8" N-80 Buttress Tubing

Baker Model NB Packer @ 8550'

Abo

ION L-10-17S-34E

SIGNED R.W. Petty

N. Vacuum Abo Unit

G.L. 4020

D.F. 4064

K.B. 4036

ZERO 16 AGC

NVAU #229

— 1635' 8 5/8" csg; 11" hole
cemented w/ 900 sx class C w/ 2% CaCl₂ + 4% gel +
200sx class C w/ 2% CaCl₂, cmt circ.

— 2 7/8" tbg

8745', 55', 75', 80', 92', 8800', 03'. 1 JS PF. 7 holes.

— 5 1/2" CIBP. Capped w/ 10' cmt. PBTD @ 8870'.

— Abo perfs: 8901', 06', 24'. 1 JS PF. 3 holes

— 8945'

— 8987' 5 1/2", 17" csg; 7 7/8" hole
cemented w/ 250 sx Class H neat and 1000 sx Class C neat.

No completion report available.

NORTH VACUUM ABO UNIT W-1 #229

VACUUM ABO, NORTH FIELD

LEA COUNTY, NEW MEXICO

L-10-T175-R34E

Howed cmt w/ 900 SX Class
C w/ 2% CaCl_2 + 4% gel +
200 SX Class C w/ 2% CaCl_2 .
cmt circ.

— est. TDC @ 1000'

— 8 3/8" 24# K-55 CSG set
@ 1634'

BJ cmt w/ 250 SX Class H
neat in 1st sty 5' 1000 SX
class C neat in 2nd sty.
cmt did not circ.

TD 8987'
PBD 8945'

— ABO PERFS:

8745; 55; 75; 80; 92;

8800; 03;

8901; 06; 24 w/ 1 JSPF-10 holes.

— 5 1/2" 17# N-80 LTIC (2621').

17# K-55 STIC (1895').

50# K-55 (3711') BTIC;

50# J-55 LTIC (1761') CSG
set @ 8987'

WIB 7/14/81

MOBIL PRODUCING TEXAS & NEW MEXICO INC.
PROPOSED WATER INJECTION WELLS
NORTH VACUUM ABO FIELD
LEA COUNTY, NEW MEXICO

Well Data

North Vacuum Abo Unit #229

2000' FSL & 660' FWL, Sec. 10, Unit L, 17-S, 34-E

8-5/8" @ 1635' w/1100 sx circ.

5-1/2" @ 8987' w/1250 sx circ.

2-3/8" N-80 Buttress Tubing

Baker Model NB Packer @ 8550'

Abo

8745' - 8803'

Originally drilled for production

NO. OF COPIES RECEIVED	
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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

Form C-105
Revised 11-78

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State of Gas Lease No.	
B-1520-1	

1a. TYPE OF WELL										2. Name of Operator		3. Address of Operator		4. Location of Well		5. Well No.		6. Field and Pool, or Wildcat		7. Unit Agreement Name		8. Name of Lease Name																																					
b. TYPE OF COMPLETION										Mobil Producing TX. & N.M. Inc.		9 Greenway Plaza, Suite 2700, Houston, Texas 77046		UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM <u>East</u> LINE OF SEC. <u>10</u> TWP. <u>17S</u> RGE. <u>34E</u>		271		Vacuum Abo, North		North Vacuum Abo Unit																																							
c. TYPE OF COMPLETION																																																											
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐																																																											
15. Date Spudded										16. Date T.D. Reached										17. Date Compl. (Ready to Prod.)										18. Elevations (DF, RAB, RT, GR, etc.)										19. Elev. Casinghead																			
11-1-84										11-26-84										12-18-84										4060 GR										-																			
20. Total Depth										21. Plug Back T.D.										22. If Multiple Compl., How Many										23. Intervals Drilled By										Rotary Tools										Cable Tools									
8800										8790																				0-8800																													
24. Producing Interval(s), of this completion - Top, Bottom, Name																				25. Was Directional Survey Made																																							
Pf. 8704-8730, Abo																				No																																							
26. Type Electric and Other Logs Run																				27. Was Well Cored																																							
																				No																																							
28. CASING RECORD (Report all strings set in well)																																																											
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED																																																	
13-3/8		48#		422		17-1/2		450sx C (528 CF - Circ.)																																																			
8-5/8		32#		5000		12-1/4		2600sx C (5042 CF-Circ.)																																																			
29. LINER RECORD																				30. TUBING RECORD																																							
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET																																													
5-1/2#		4188		8800		100x C				2-7/8		OPMA @ 8770		8640																																													
						(1327 CF)																																																					
31. Perforation Record (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																																																	
Pf. 8704-8708, 8714-8730										DEPTH INTERVAL										AMOUNT AND KIND MATERIAL USED																																							
(w/1 JSPF - Total 22 holes)										8704-8730										Acidized w/5200 gal 15%																																							
																				NE FE Clay stabilized acid +																																							
																				40 RCNBS																																							
33. PRODUCTION																																																											
Date First Production					Production Method (Flowing, gas lift, pumping - Size and type pump)										Well Status (Prod. or Shut-in)																																												
12-16-84					Pumping 2" x 1 1/2" x 24'										Producing																																												
Date of Test		Hours Tested		Choke Size		Prod'n. For Test Period		Oil - Bbl.		Gas - MCF		Water - Bbl.		Gas - Oil Ratio																																													
12-25-84		24						25		38		15		1320/1																																													
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API (Corr.)																																															
												37.6 @ 60																																															
34. Disposition of Gas (Sold, used for fuel, vented, etc.)															Test Witnessed by																																												
Sold															T. J. Auld																																												
35. List of Attachments																																																											
C-104, Inclination Survey & 1 set well logs																																																											
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.																																																											
SIGNED <u>W.B. W</u>										TITLE <u>Authorized Agent</u>										DATE <u>1-14-85</u>																																							

DATE 12-18-84 WE NO. 271 LEASE North V₁ num FIELD Vacuum Abo
Abo Unit North

LOCATION 1980' FEL & 1900' FNL
Sec. 10 T17S, R34E
Lea County, New Mexico

SIGNED R.W. Petty

G.L. 4060'
D.F. 4072'
K.B. 4073'
ZERO 13' AGL

— 17½" hole

— 13⅜", 48[#], H40, STFC set @ 422' w/450 sk C.I.C cmt,
2% CaCl₂, ¼[#]/sk FC. Circ 115 sk cmt.

— 12¼" hole

— TOL @ 4188'

— 8⅝", 32[#], S80[#] K55, STFC set @ 5000' w/2300 sk C.I.C cmt,
4% gel, 15[#]/sk Salt, 5[#]/sk gilsonite; ¼[#]/sk FC + 300 sk C.I.C cmt,
2% CaCl₂ + ¼[#]/sk FC. Circ 170 sk cmt.

— 7⅞" hole

— 2⅞" +bg: OPMA @ 8770' + 4' perf sub + 2⅞ SN + 2⅞ SN @ 8733'
TAC @ 8640' set w/12,000[#] Ten.

— Abo Perfs: 8592'-94', 98'-8604', 24'-47', 51'-56'. 13SPF. 40 holes.

— 5½", 17[#] & 15.5[#], K55, STFC set @ 8799' w/700 sk C.I.H cmt, 4% gel,
PBTD 8796' .3% HA9, ¼[#]/sk FC + 300 sk C.I.H cmt, .3% HA9, ¼[#]/sk FC.
TD 8800'

COUNTY LEA FIELD Vacuum, N. STATE NM 30-025-24193
 OPR KOCH EXPLORATION CO. MAP
2 Miller "B" State
Sec 3, T-17-S, R-34-E CO-ORD
660' FSL, 2105' FWL of Sec
Spd 7-24-72 CLASS GL EL 40612
Cmp 8-30-72

	FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING				
13 3/8" at 370' w/400 sx				
8 5/8" at 3100' w/375 sx				
5 1/2" at 8877' w/400 sx				
LOGS EL GR RA IND HC A				

TD 8877'; PBD 8835'

IP (Abo) Perfs 8687-8742' P 85 BOPD. Pot based on 24 hr test.
 GOR NR; Grav NR

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CONT. Moran PROP DEPTH 8900' TYPE RT
 DATE

F.R. 7-17-72; Opr's Elev. 4064' GL
 PD 8900' RT (Abo)
 Contractor - Moran
 7-26-72 Drlg. 2795'
 8-1-72 Drlg. 5928'
 DST 3840-3930', open 1 hr, rec 30' mud, NS, 1 hr
 30 min ISIP 148#, FP 63-63#, 2 hr FSIP 63#
 8-7-72 Drlg. 7730' lm
 8-14-72 TD 8877'; Rng 5 1/2" csg
 DST 8694-8877', open 1 hr, rec 300' DM, ISIP
 2995#, FP 71-142#, FSIP 2896#
 8-21-72 TD 8877'; WO Comp
 8-28-72 TD 8877'; WO Comp
 9-5-72 TD 8877'; PBD 8835'; RU Pmp
 Perf 8687-91', 8708-12', 8715-26', 8729-32',
 8735-42' w/2 SPF
 Acid (8687-8742') 500 gals
 Swbd 58 BLW & Swbd dry (8687-8742')

MEA
KOCH EXPLORATION CO.

Vacuum, N.
2 Miller "B" State

NM Sec 3, T17S, R34E
Page #2

9-5-72 Continued
Acid (8687-8742') 12,000 gals
Swbd 46 BF (70% oil) in 5 hrs
9-11-72 TD 8877'; PBD 8835'; TO Pmp
9-18-72 TD 8877'; PBD 8835'; TO Pmp
9-25-72 TD 8877'; PBD 8835'; COMPLETE
9-30-72 COMPLETION REPORTED

UNICHEM INTERNATIONAL

707 NORTH LEECH

P.O.BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : MOBIL PRODUCING TEXAS & NM

DATE : 12-19-86

FIELD, LEASE & WELL : BRIDGES STATE

SAMPLING POINT: WSW 94

DATE SAMPLED : 12-17-86

SPECIFIC GRAVITY = 1

TOTAL DISSOLVED SOLIDS = 769

PH = 7.35

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	3	60.1
MAGNESIUM	(MG)+2	5.6	68.0
SODIUM	(NA), CALC.	4.0	92.4

		ME/L	MG/L
ANIONS			
BICARBONATE	(HCO3)-1	3.6	219.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	1.0	49
CHLORIDES	(CL)-1	8	280

DISSOLVED GASES		
CARBON DIOXIDE	(CO2)	NOT RUN
HYDROGEN SULFIDE	(H2S)	NOT RUN
OXYGEN	(O2)	NOT RUN

IRON(TOTAL)	(FE)		.5
BARIUM	(BA)+2	NOT RUN	.13
MANGANESE	(MN)	0	.02

IONIC STRENGTH (MOLAL) = .017

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	1.33
CALCIUM CARBONATE SCALING	LIKELY
CALCIUM SULFATE INDEX	-18.
CALCIUM SULFATE SCALING	UNLIKELY

UNICHEM INTERNATIONAL

707 NORTH LEECH

P.O.BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : MOBIL PRODUCING TEXAS & NM

DATE : 12-19-86

FIELD, LEASE & WELL : BRIDGES STATE

SAMPLING POINT: WSW 179

DATE SAMPLED : 12-17-86

SPECIFIC GRAVITY = 1

TOTAL DISSOLVED SOLIDS = 628

PH = 7.44

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	2	40.0
MAGNESIUM	(MG)+2	6.2	75.3
SODIUM	(NA), CALC.	1.9	45.5

		ME/L	MG/L
ANIONS			
BICARBONATE	(HCO3)-1	3.6	219.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	.58	28
CHLORIDES	(CL)-1	6	220

DISSOLVED GASES		
CARBON DIOXIDE	(CO2)	NOT RUN
HYDROGEN SULFIDE	(H2S)	NOT RUN
OXYGEN	(O2)	NOT RUN

IRON(TOTAL)	(FE)		.3
BARIUM	(BA)+2	NOT RUN	.16
MANGANESE	(MN)	0	0

IONIC STRENGTH (MOLAL) = .015

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	1.44
CALCIUM CARBONATE SCALING	LIKELY
CALCIUM SULFATE INDEX	-18.
CALCIUM SULFATE SCALING	UNLIKELY



DRAWN BY: Sovinsky	DATE: June 13, 1937	FIELD: Vacuum
SCALE: 1" = 1000'	FILE NO.: 45	

UNICHEM INTERNATIONAL

707 NORTH LEECH

P.O.BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : MOBIL PRODUCING TEXAS & NM

DATE : 12-19-86

FIELD, LEASE & WELL : NORTH VACUUM ABO UNIT

SAMPLING POINT: WSW 100

DATE SAMPLED : 12-17-86

SPECIFIC GRAVITY = 1

TOTAL DISSOLVED SOLIDS = 722

PH = 7.36

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	2	40.0
MAGNESIUM	(MG)+2	4.4	53.4
SODIUM	(NA), CALC.	5.3	123.

		ME/L	MG/L
ANIONS			
BICARBONATE	(HCO3)-1	3.4	207.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	.37	18
CHLORIDES	(CL)-1	8	280

DISSOLVED GASES		
CARBON DIOXIDE	(CO2)	NOT RUN
HYDROGEN SULFIDE	(H2S)	NOT RUN
OXYGEN	(O2)	NOT RUN

IRON(TOTAL)	(FE)		.3
BARIUM	(BA)+2	NOT RUN	.13
MANGANESE	(MN)	0	.01

IONIC STRENGTH (MOLAL) = .015

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	1.30
CALCIUM CARBONATE SCALING	LIKELY
CALCIUM SULFATE INDEX	-13.
CALCIUM SULFATE SCALING	UNLIKELY

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ENV. & REG.

UNICHEM INTERNATIONAL

707 NORTH LEECH

P.O.BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : MOBIL PRODUCING TEXAS & NM
DATE : 12-19-86
FIELD, LEASE & WELL : NORTH VACUUM ABO UNIT
SAMPLING POINT : WSW 101
DATE SAMPLED : 12-17-86

SPECIFIC GRAVITY = 1
TOTAL DISSOLVED SOLIDS = 663
PH = 7.29

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	3.8	76.1
MAGNESIUM	(MG)+2	4.4	53.4
SODIUM	(NA), CALC.	2.4	55.8

		ME/L	MG/L
ANIONS			
BICARBONATE	(HCO3)-1	3.4	207.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	.23	11
CHLORIDES	(CL)-1	7	260

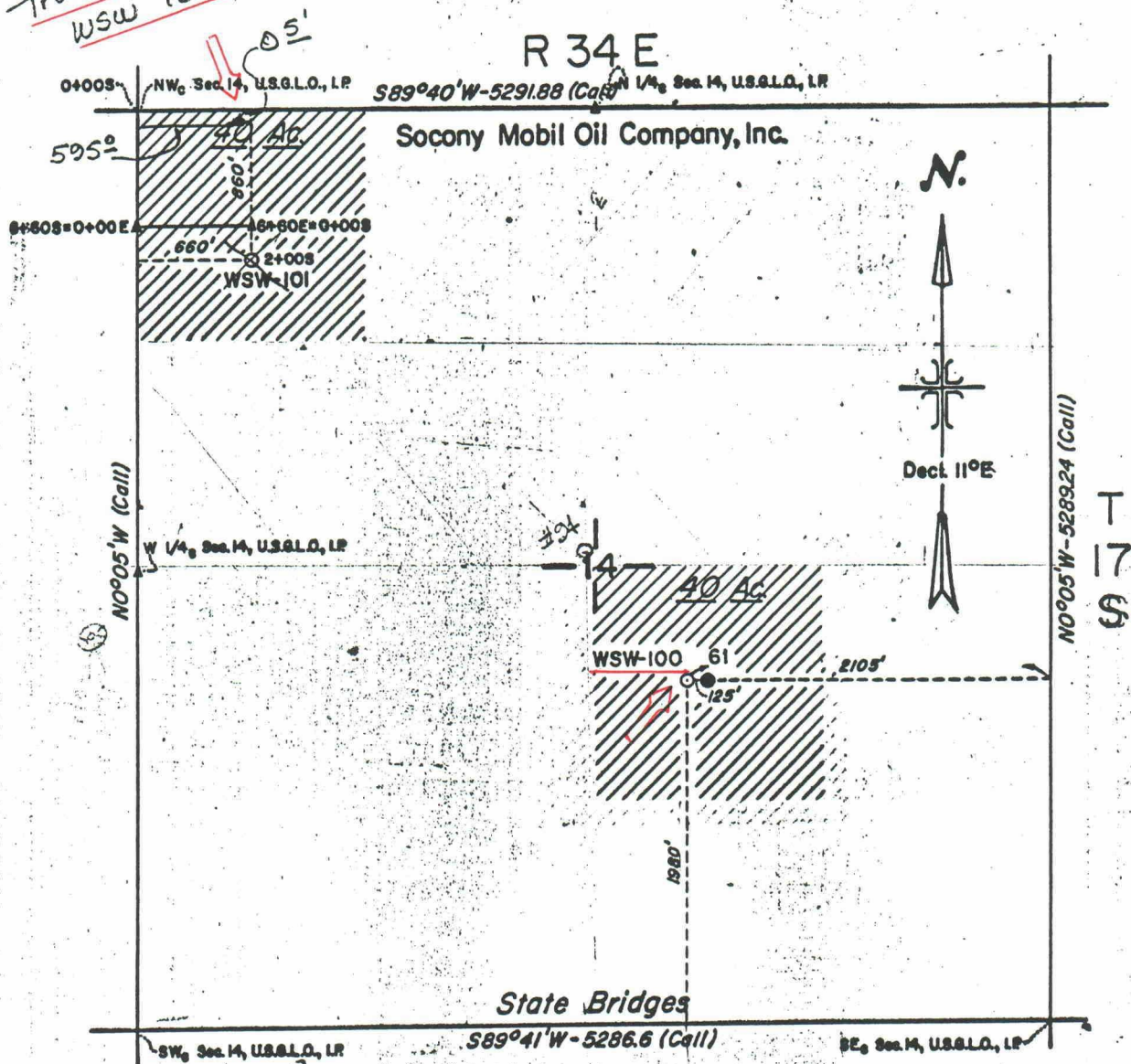
DISSOLVED GASES		
CARBON DIOXIDE	(CO2)	NOT RUN
HYDROGEN SULFIDE	(H2S)	NOT RUN
OXYGEN	(O2)	NOT RUN

IRON(TOTAL)	(FE)		.3
BARIUM	(BA)+2	NOT RUN	.07
MANGANESE	(MN)	0	0

IONIC STRENGTH (MOLAL) = .015

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	1.52
CALCIUM CARBONATE SCALING	LIKELY
CALCIUM SULFATE INDEX	-18.
CALCIUM SULFATE SCALING	UNLIKELY

True Loc. of
WSW 101



Lea County, New Mexico

North Vacuum Abo Unit WSW #100 & 101

I, John H. Seerey, hereby certify that I am the Professional Engineer who prepared the above map and statement from field notes of actual surveys made by me or under my direction and that the same are true and correct to the best of my knowledge and belief.

John H. Seerey, Jr.
Registered Professional Engineer
License No. 3572

Mobil Producing Texas & New Mexico Inc.

P.O. BOX 633
MIDLAND, TEXAS 79702

January 21, 1987

MIDLAND DIVISION

Koch Exploration
P. O. Box 2256
Wichita, Kansas 67201

Attn: Mr. Vernon J. Lowe

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

7.01
Application for Authority to Inject
Mobil Producing TX. & N.M. Inc.
State N Well No. 2
Unit D, 735' FNL, 840' FWL
Section 10, T-17-S, R-34-E
North Vacuum-Abo Field
Lea County, New Mexico

Dear Mr. Lowe:

Mobil Producing TX. & N.M. Inc. is applying to the New Mexico Oil Conservation Division for authority to inject fresh water into the Abo formation of the North Vacuum-Abo Field. Injection will be down the State N Well No. 2

Attached, per Statewide Rule 701.B (2), is a copy of the application. A hearing has been set for February 4, 1987 in Santa Fe, New Mexico.

Yours very truly,



M. E. Sweeney

LLMaroney/dw

Attachments

xc: NMOCD, Santa Fe & Hobbs, NM

P-519 401 360

Rock Exploration

P.O. Box 2256

Wichita Kansas 67201

124

75

PS Form 3800, June 1982



70

269

Mobil Producing Texas & New Mexico Inc.

P.O. BOX 633
MIDLAND, TEXAS 79702

January 21, 1987

MIDLAND DIVISION

Eidson Ranch
P. O. Box 1286
Lovington, NM 88260

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

7.01

Application for Authority to Inject
Mobil Producing TX. & N.M. Inc.
State N Well No. 2
Unit D, 735' FNL, 840' FWL
Section 10, T-17-S, R-34-E
North Vacuum-Abo Field
Lea County, New Mexico

Gentlemen:

Mobil Producing TX. & N.M. Inc. is applying to the New Mexico Oil Conservation Division for authority to inject fresh water into the Abo formation of the North Vacuum-Abo Field. Injection will be down the State N Well No. 2

Attached, per Statewide Rule 701.B (2), is a copy of the application. A hearing has been set for February 4, 1987 in Santa Fe, New Mexico.

Yours very truly,



M. E. Sweeney

LLMaroney/dw

Attachments

xc: NMOCD, Santa Fe & Hobbs, NM

P-519 401 358

Cotton Ranch
P.O. Box 1286
Lawrence NM 88268
124
75



78
269

Mobil Producing Texas & New Mexico Inc.

P.O. BOX 633
MIDLAND, TEXAS 79702

January 21, 1987

MIDLAND DIVISION

Yates & Yates
c/o John A. Yates
207 South 4th Street
Artesia, NM 88210

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

7.01

Application for Authority to Inject
Mobil Producing TX. & N.M. Inc.
State N Well No. 2
Unit D, 735' FNL, 840' FWL
Section 10, T-17-S, R-34-E
North Vacuum-Abo Field
Lea County, New Mexico

Dear Mr. Yates:

Mobil Producing TX. & N.M. Inc. is applying to the New Mexico Oil Conservation Division for authority to inject fresh water into the Abo formation of the North Vacuum-Abo Field. Injection will be down the State N Well No. 2

Attached, per Statewide Rule 701.B (2), is a copy of the application. A hearing has been set for February 4, 1987 in Santa Fe, New Mexico.

Yours very truly,



M. E. Sweeney

LLMaroney/dw

Attachments

xc: NMOCD, Santa Fe & Hobbs, NM

P-519 401 359

Yates & Yates Co. J. Yates
207. South 4th St.
Artesia N.M. 88210

