

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
JOHN H. BEMIS

GUADALUPE PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

April 15, 1986

HAND DELIVERED

RECEIVED

Case 8884

APR 15 1986

OIL CONSERVATION DIVISION

R. L. Stamets, Director
Oil Conservation Division
New Mexico Department of
Energy and Minerals
State Land Office Building
Santa Fe, New Mexico 87501

Re: Application of Mobil Producing Texas & New Mexico,
Inc. for Salt Water Disposal, Lea County, New Mexico.

Dear Mr. Stamets:

Mobil Producing Texas & New Mexico, Inc. requests that a case be docketed for hearing before a Division Examiner on April 30, 1986, for consideration of the above-referenced application. Enclosed is an original and one copy of OCD Form C-108 with attachments. Copies of this application have been sent to the Oil Conservation Division office in Hobbs and, an additional copy has been sent by certified mail to the surface owner. Mobil Producing Texas & New Mexico, Inc. is the leaseholder of all leases within one-half mile of the proposed injection well.

Your attention to this request is appreciated.

Very truly yours,

William F. Carr
William F. Carr *WFC*

WFC/cv
enclosures

cc: (w/o enclosures)
Mr. G. E. Tate
Mobil Producing Texas
& New Mexico, Inc.

Mobil Producing Texas & New Mexico Inc.

April 14, 1986

P.O. BOX 633
MIDLAND, TEXAS 79702

State of New Mexico
Energy & Minerals Department
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Case 8884

RECEIVED

Attention: Mr. Richard L. Stamets
Director

APR 1 1986

OIL CONSERVATION DIVISION

7.01
SALT WATER DISPOSAL APPLICATION
STATEWIDE RULE 1108
MOBIL PRODUCING TX & NM, INC.
BRIDGES STATE WELL NO. 511
474' FSL, 1904' FEL
SECTION 23, T-17-S, R-34-E
VACUUM GRAYBURG-SAN ANDRES FIELD
LEA COUNTY, NEW MEXICO

Dear Mr. Stamets:

Mobil Producing TX & NM, Inc., is applying for authority to dispose of produced water into the lower zone of the San Andres formation of the Vacuum Grayburg-San Andres Field. The Bridges State Well No. 511 is to be drilled for that purpose. The disposal water will be from producing formations of the Bridges State Lease, the North Vacuum Abo Unit and the North Vacuum Abo East Unit. Disposal water will be from Mobil operated leases only.

The subject well will be drilled to meet all State requirements necessary for a Salt Water Disposal well. No H₂S is anticipated while drilling the subject well. The well is needed to meet the increased disposal requirements due to the current and future infill drilling programs in the Vacuum Field area. Texaco operates a disposal well in Section 10, T-18-S, R-34-E and Rice Engineering operates one in the eastern portion of the field.

Attached, in support of this application, is the data required per Form C-108. The information is organized according to instructions on that form. If additional information is needed, please call L. L. Maroney at (915) 688-1773.

Yours very truly,

A handwritten signature in black ink, appearing to read "G. E. Tate". The signature is written in a cursive style with a large initial "G" and a long horizontal stroke at the end.

G. E. Tate
Env. & Reg. Manager

LLMaroney/dwc

Attachments

cc: Mr. Jerry Sexton
NMOCC
Hobbs, NM

Case 8889

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Mobil Producing TX & NM, Inc.
Address: P. O. Box 633, Midland, TX 79702
Contact party: L. L. Maroney Phone: (915) 688-1773
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: G. E. Tate Title Env. & Reg. Manager
Signature:  Date: 4/14/86
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

SALT WATER DISPOSAL APPLICATION
STATEWIDE RULE 1108
MOBIL PRODUCING TX & NM, INC.
BRIDGES STATE WELL NO. 511
LEA COUNTY, NEW MEXICO

III. Well Data

- A.
 - 1. Bridges State No. 511, 474' FSL, 1904' FEL, Sec. 23, T-17-S, R-34-E.
 - 2. Surface - 9-5/8" @ 1700' w/1200 sx Class C Neat to be circ to surface. Hole size will be 12-1/4".
Injection - 7" @5650' w/2000 sx Class C Neat to be circ to surface. Hole size will be 8-3/4". See attached C-101.
 - 3. 2-7/8", 6.5#/ft, J-55 8rd duolined tbg to be hung 100' above perfs.
 - 4. 7" Baker Model D nickle-plated pkr w/on-off tool to be hung 100' above perfs.
- B.
 - 1. Lower portion of San Andres, Vacuum Grayburg-San Andres Field.
 - 2. Will pick perfs between 5050-5650'. Main interval to be perfd will be approx. 250'.
 - 3. Will be drilled as disposal well.
 - 4. None - well to be drilled.
 - 5. Next higher formation is Queen 3775-4459'.
Next lower formation is Glorieta 5974-6038'.

VII.

- 1. Maximum injection of 11,000 BWP, avg of 3000 BWP.
- 2. System will be open.
- 3. Injection will be by gravity with eventual pressure not to exceed .2#/ft of depth.
- 4. Source of injection water is from the Bridges State Lease, the North Vacuum Abo Unit and the North Vacuum Abo East Unit.
- 5. Chemical analysis attached.

CARDINAL CHEMICAL, INC.

Sixth Floor

American Bank of Commerce Building

ODESSA, TEXAS

DIVISION OFFICE Phone: EMerson 6-4451

RESEARCH LABORATORY

Phone: FEderal 2-7324

September 28, 1962

WATER ANALYSIS*Resposal Zone*

Company Mobil Oil Company

County

Lease State Bridge

Address P. O. Box 2406

Field

Well No. 27

Hobbs, New Mexico

Formation San Andres

Depth 5238

Attention

Date 9-27-62
SampledSample
Point

Recent Treatments

CONSTITUENTS DETECTED

(Reported as parts per Million)

Specific Gravity 1.130 @ 72° F

pH 5.6

Chloride 108,000

Calcium 3,240

Bicarbonate 532

Magnesium 1,464

Sulfate 2,400

Total Iron Very Faint Trace

Phosphate

Sodium 64,791

Total Hardness (as Ca CO₃) 14,200

Sulfide Fair Trace

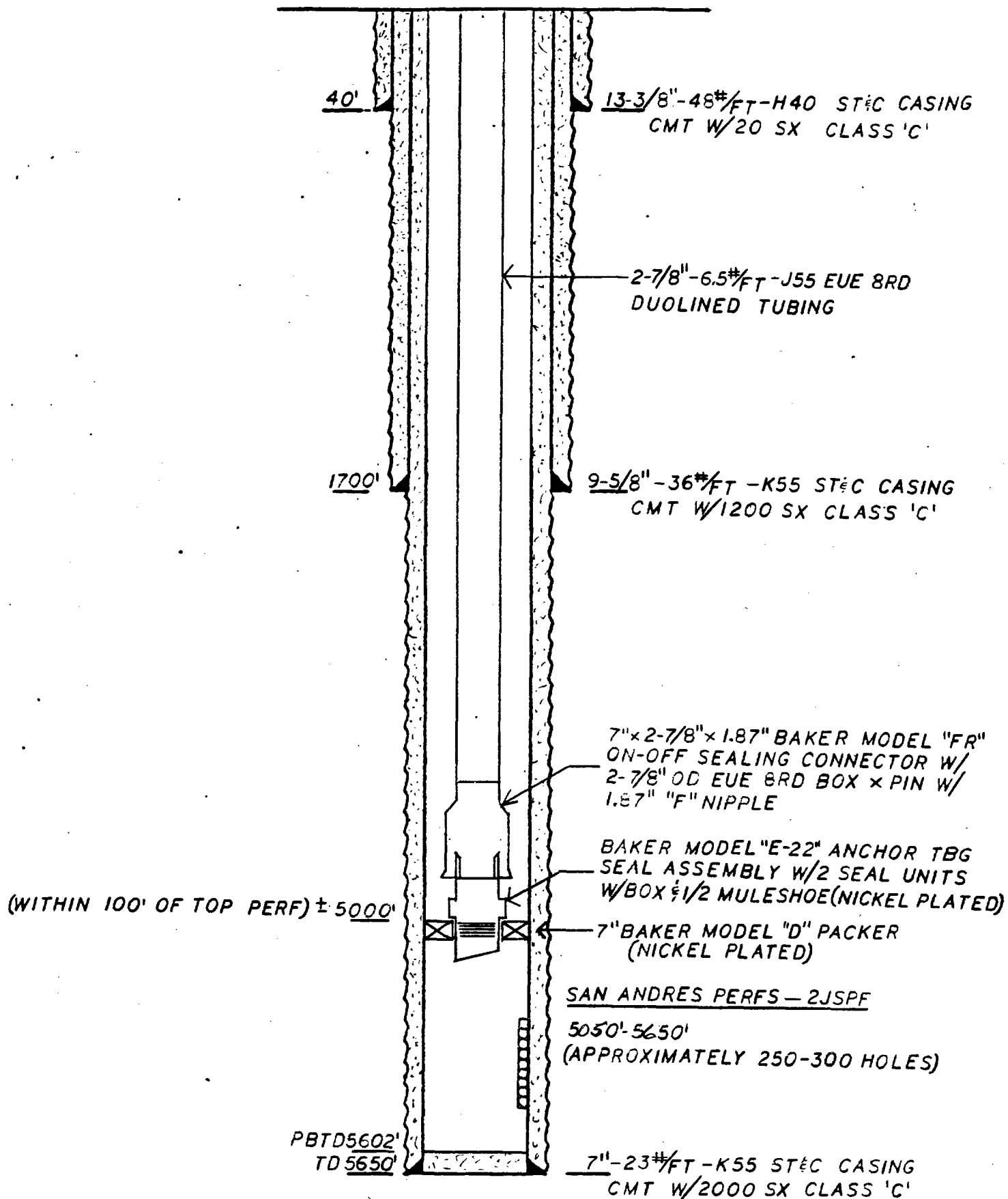
TOTAL DISSOLVED SOLIDS 180,427

	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	
Na 1000																		Cl 1000
Ca 100																		HCO ₃ 100
Mg 100																		SO ₄ 100

Remarks:

Orig. & 2cc: Mobil
1cc: Hobbs StationAnalyst Jim Looney

BRIDGES STATE #511 (SWD)
VACUUM (SAN ANDRES) FIELD
LEA COUNTY, NEW MEXICO



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FILE	
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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE ☒	FEE ☐
5. State Oil & Gas Lease No.	
B-1520	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL ☐ GAS WELL ☐ OTHER SWD ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. Farm or Lease Name	
2. Name of Operator		9. Well No.	
Mobil Producing TX & NM, Inc.		511	
3. Address of Operator		10. Field and Pool, or Wildcat	
P. O. Box 633, Midland, TX 79703 ATTN: L. L. Maroney		Vacuum Grayburg-SanAndre	
4. Location of Well UNIT LETTER 0 LOCATED 474 FEET FROM THE south LINE AND 1904 FEET FROM THE east LINE OF SEC. 23 TWP. 17-S RGE. 34-E NMPM		12. County	
		Lea	
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
5800		Grayburg-San Andres	Rotary
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4028' GR	Blanket	Unknown	5-15-86 Approx.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48#	40'	20	Surface
12-1/4"	9-5/8"	36#	1700'	1200	Surface
8-3/4"	7"	23#	5650'	2000	Surface

Cement Program:

All cement will be Class C Neat. No additives will be used.

BOP Program:

BOP sketch attached.

Well to be drilled as salt water disposal.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed G. E. Tate G. E. Tate Title Env. & Reg. Manager Date 4/10/86
(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

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

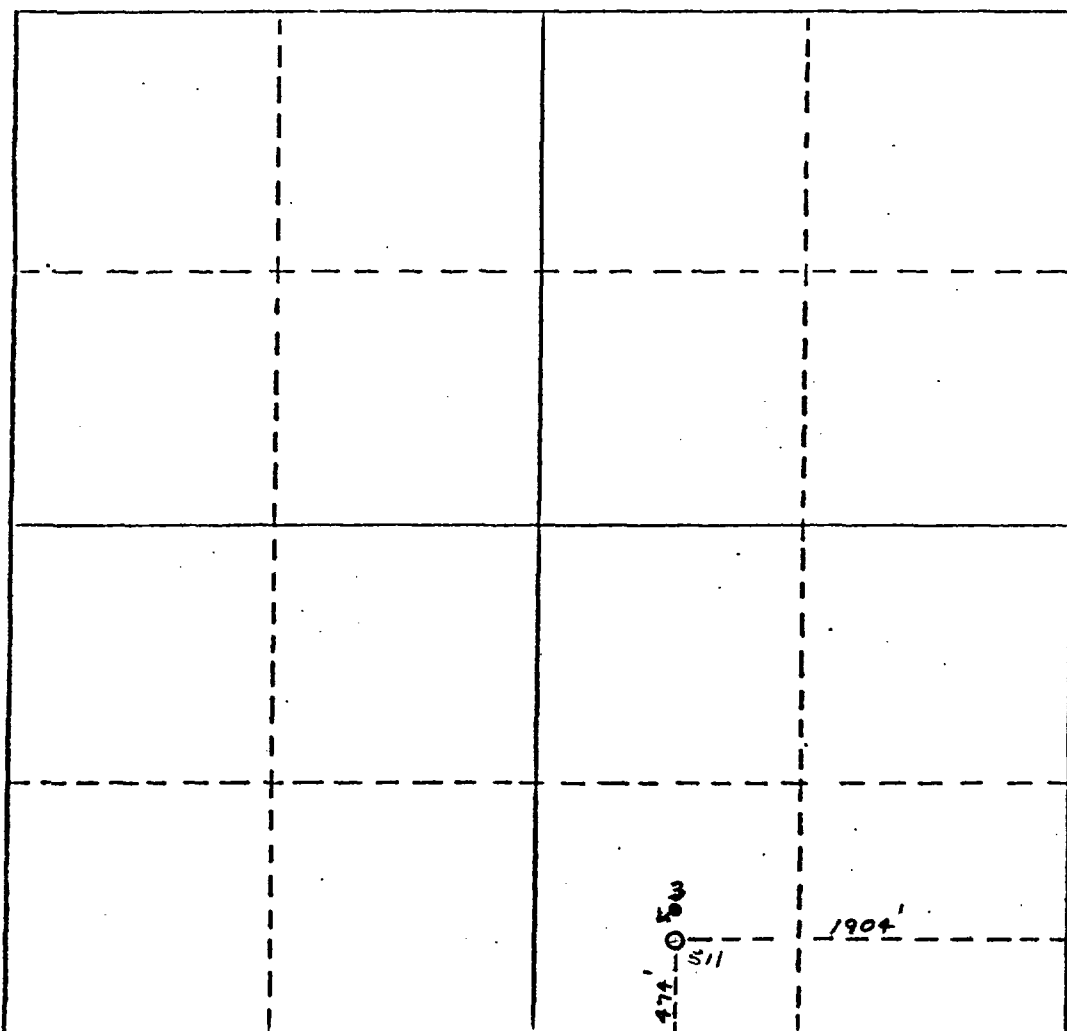
Operator Mobil Producing TX & NM, Inc.			Lease Bridges State		Well No. 511
Unit Letter 0	Section 23	Township 17-S	Range 34E	County Lea	
Actual Footage Location of Well: 474 feet from the south line and 1904 feet from the east line					
Ground Level Elev. 4028'	Producing Formation Grayburg-San Andres	Pool Vacuum Grayburg-San Andres		Dedicated Acreage: NA - SWD Well Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

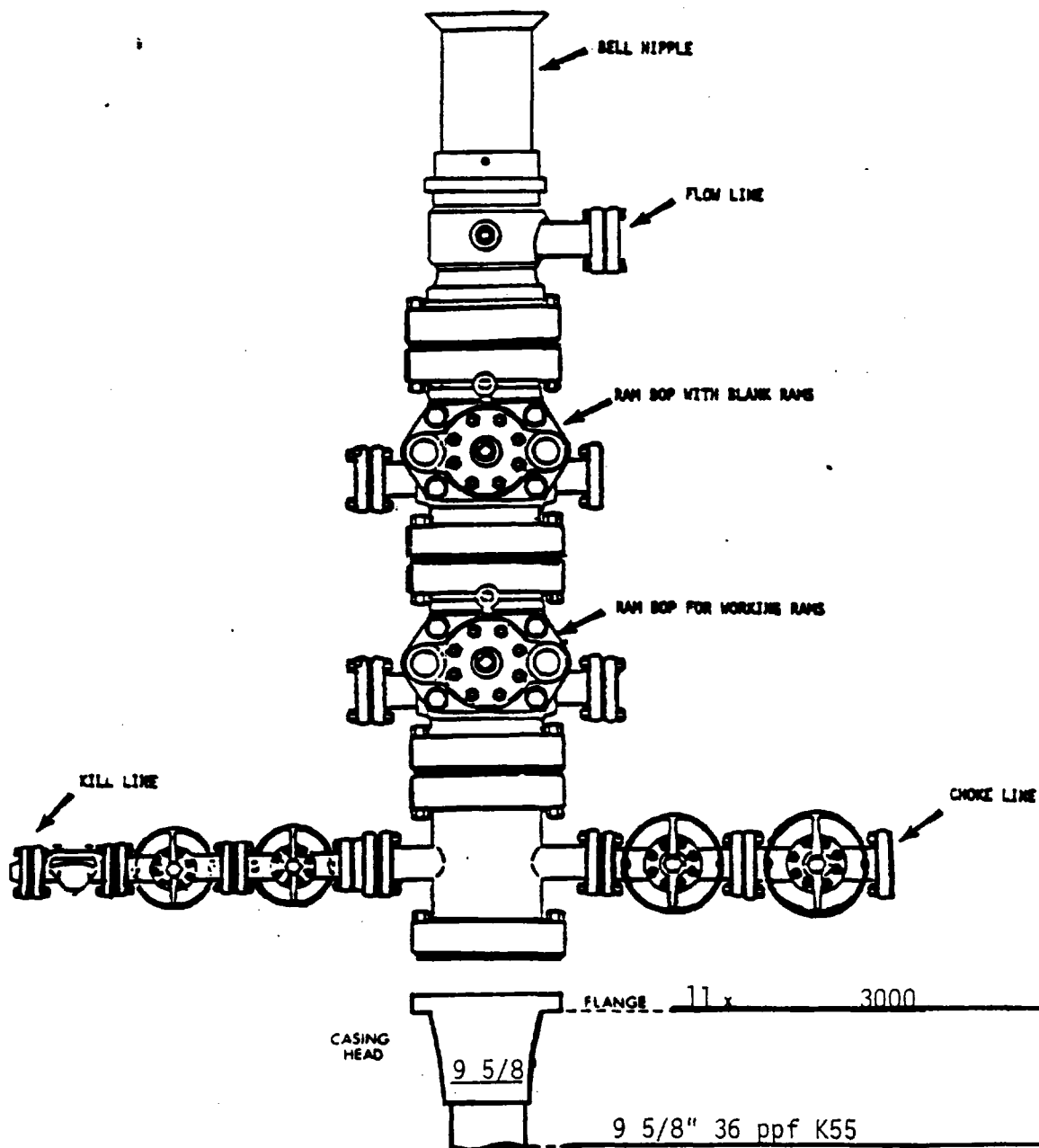
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

G. E. Tate
Name
G. E. Tate
Position
Env. & Reg. Manager
Company
Mobil Producing TX & NM, Inc.
Date
April 10, 1986

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

25 MAY 1986
Date Surveyed
NEW MEXICO
8669
Registered Professional Land Surveyor
Certificate No.
9669





*NOTE: ALL VALVES ARE METAL-TO-METAL SEAL AND FLANGED. ALL COMPONENTS MUST MEET ABOVE MINIMUM PRESSURE RATINGS. ALL COMPONENTS TO BE TESTED TO RATED PRESSURE AFTER ASSEMBLY AND BEFORE FURTHER DOWNHOLE OPERATIONS MAY BE CONDUCTED.

Mobil Producing Texas & New Mexico Inc.

MOBIL NO. 511 Bridges State
(LEASE)
Lea COUNTY, ND STATE

BLOWOUT PREVENTER ASSEMBLY

(11 IN. 3000 PSI WP)

Scale

Date
Drawn
Checked
Approved
Revised

VI. Tabulation of Wells in Area of Review
Mobil Operated Wells, T-17-S, R-34-E, Lea Co. NM

<u>Well No.</u>	<u>Unit Letter</u>	<u>Sect.</u>	<u>Type Well</u>	<u>Depth</u>	<u>Comp Form</u>	<u>Comp Interval/Ft</u>	<u>Date Drilled</u>	<u>Current Status</u>
3	O	23	WIW	4608	G-SA	4506-4551	01-31-38	Inj.
4	B	26	SI	6877	G-SA	4476-4575	04-13-38	TA
5	C	26	WIW	4750	G-SA	4277-47500H	04-13-38	Inj.
8	J	23	Oil	4740	G-SA	4365-45600H	06-06-38	Prod
30	G	26	WIW	6800	G-SA	4450-4836	04-25-38	Inj.
38	A	26	Oil	6795	Blincbry	6472-6518	08-09-39	Prod
41	P	23	Oil	4720	G-SA	4300-47200H	09-12-39	Prod
43	I	23	WIW	4735	G-SA	4524-4578	10-13-39	Inj.
58	M	24	Oil	6800	Glor.	6016-6064	03-29-40	Prod
105	A	26	WIW	6150	G-SA	4448-4816	04-05-65	Inj.
117	P	23	WIW	10414	Abo	8445-8497	09-21-66	Inj.
127	M	24	WIW	4850	G-SA	4484-4785	07-08-68	Inj.
137	B	26	Oil	8700	Abo	8481-8525	07-06-70	Prod
156	J	23	Oil	8750	Abo	8487-8548	04-25-71	Prod
192	H	23	Oil	4761	G-SA	4538-4578	11-28-84	Prod
199	P	23	Oil	4800	G-SA	4514-4570	05-19-85	Prod
213	N	23	WIW	8800	Abo	8509-8564	01-09-72	Inj.
234	I	23	Oil	8700	Abo	8470-8622	02-02-84	Prod
237	A	26	Oil	8700	Abo	8425-8584	11-12-83	Prod
238	M	26	P&A	5000	Abo	None	10-08-83	P&A
238A	M	26	Oil	8700	Abo	8459-8536	11-04-83	Prod
242	G	26	Oil	8700	Abo	8472-8608	06-29-84	Prod
243	C	26	Oil	8700	Abo	8494-8672	03-29-84	Prod
244	O	23	Oil	8700	Abo	8470-8608	04-24-84	Prod

<u>Well No.</u>	<u>Unit Letter</u>	<u>Sect.</u>	<u>Type Well</u>	<u>Depth</u>	<u>Comp Form</u>	<u>Comp Interval/Ft.</u>	<u>Date Drilled</u>	<u>Current Status</u>
245	K	23	Oil	8711	Abo	8549-8684	05-21-84	Prod
500	P	23	Oil	4800	G-SA	4533-4586	06-08-85	Prod

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WIL

b. TYPE OF COMPLETION

NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

2. Name of Operator

MOBILE PRODUCING TX & N.M., Inc.

3. Address of Operator

Box 633 MIDLAND, TX 79702

4. Location of Well

UNIT LETTER O LOCATED 660 FEET FROM THE S LINE AND 1980 FEET FROM

THE E LINE OF SEC. 23 TWP. 17S RGE. 34E NMPM

7. Unit Agreement Name

8. Farm or Lease Name

BRIDGES STATE

9. Well No.

3

10. Field and Pool, or Wildcat
VACUUM GRAYBURG SAN ANTONIO

12. County

15. Date Spudded

6-12-37

16. Date T.D. Reached

1-31-38

17. Date Compl. (Ready to Prod.)

18. Elevations (DF, RKB, RT, GR, etc.)

4028 GL

19. Elev. Casinghead

20. Total Depth

4608

21. Plug Back T.D.

4606

22. If Multiple Compl., How Many

4028 GL

23. Intervals Drilled By

Rotary Tools

Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

4506 - 4551 GRAYBURG/SAN ANTONIO

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>20</u>	<u>90#</u>	<u>253</u>		<u>C56 MUDLOG</u>	
<u>16</u>	<u>70#</u>	<u>274</u>	<u>18</u>	<u>C56 MUDLOG</u>	
<u>13</u>	<u>50#</u>	<u>528</u>	<u>15</u>	<u>250 SX (CIRC)</u>	
<u>9 5/8</u>	<u>36#</u>	<u>1885</u>	<u>12</u>	<u>420 SX (700-800')</u>	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
<u>7" 24" C56</u>	<u>8" hole</u>	<u>SET @ 4275</u>	<u>200 X (TDC-2900)</u>	
<u>5" 15" LNR</u>	<u>4098</u>	<u>4608</u>	<u>400 X C (CIRC)</u>	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
<u>2 3/8</u>	<u>3986</u>	<u>3986</u>

31. Perforation Record (Interval, size and number)

4506-48, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 41, 43, 45, 47, 49, 51 - 1 JSAP + 23 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production _____ Production Method (Flowing, gas lift, pumping - Size and type pump) _____ Well Status (Prod. or Shut-in) _____

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

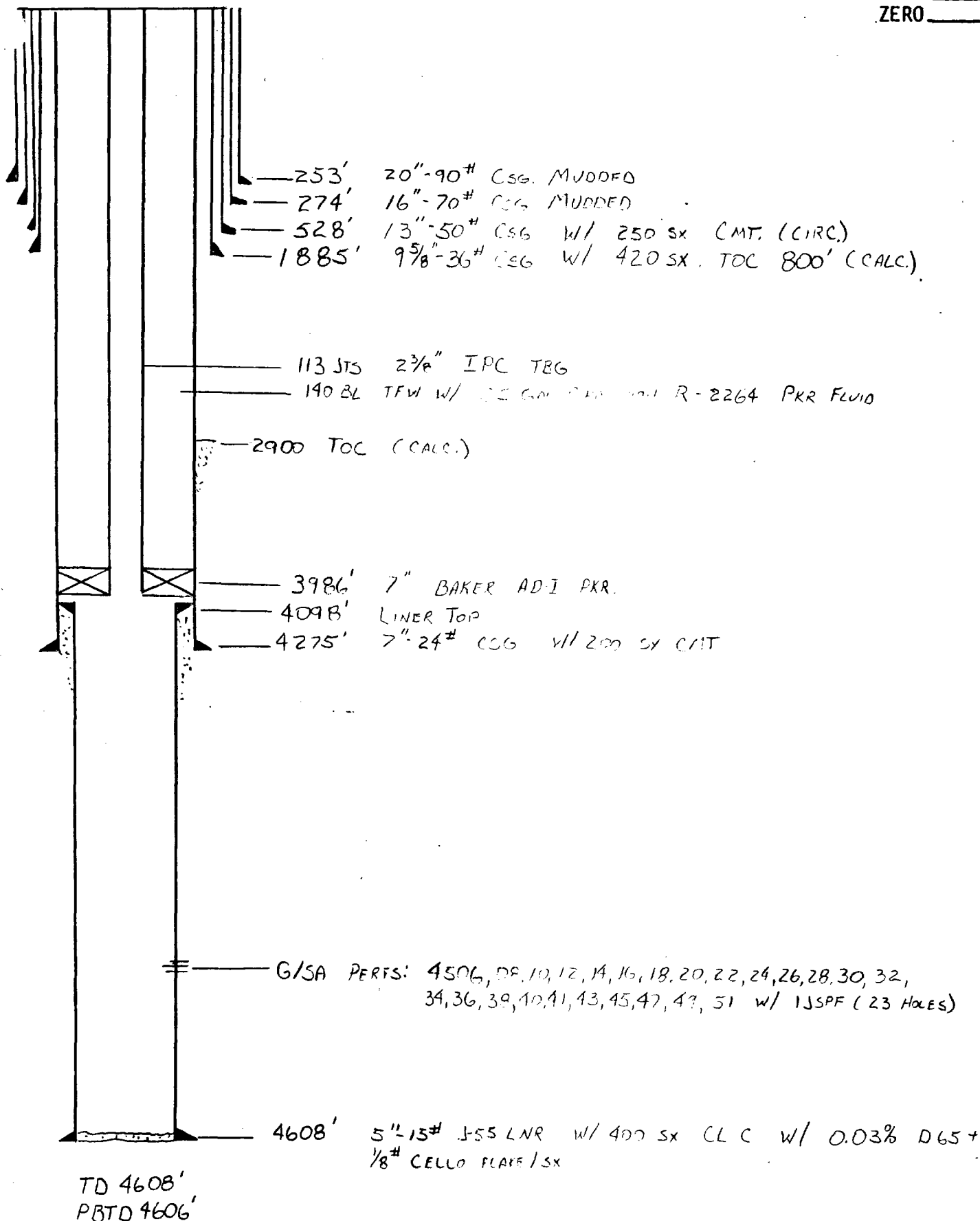
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED _____ TITLE _____ DATE _____

DATE 8-20-83 WELL NO. 3WVLEAS BRIDGES STATE VACUUM GRAYBAG-SA
LOCATION D-23-17S-34E COUNTY LEA STATE NM

SIGNED W L REEVES

GL 4028'
DF _____
KB _____
ZERO _____



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

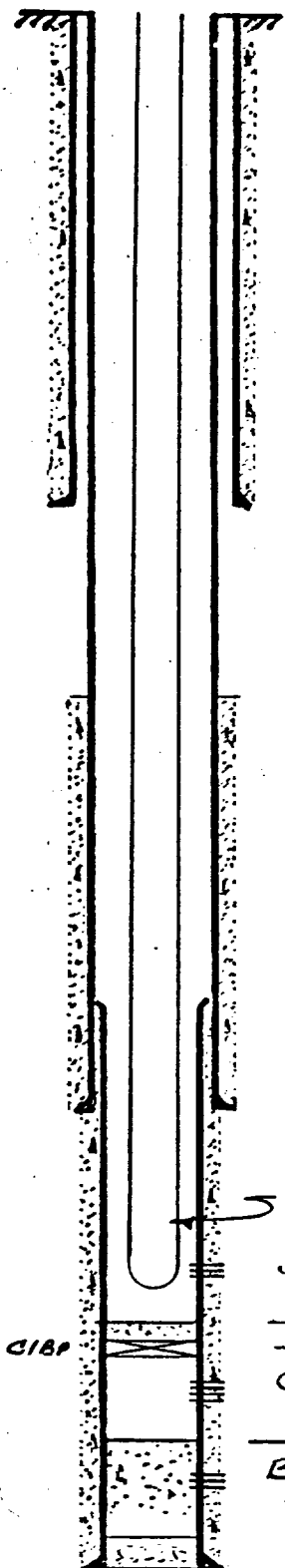
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5a. Indicate Type of Lease	
State ☒	Free ☐
5. State Oil & Gas Lease No.	

10. TYPE OF WELL		OIL WELL ☐		GAS WELL ☐		DRY ☐		OTHER ☒ TA									
b. TYPE OF COMPLETION		NEW WELL ☐		WORK OVER ☐		DEEPEN ☐		PLUG BACK ☐		DIFF. RESVR. ☐		OTHER					
2. Name of Operator																	
3. Address of Operator																	
4. Location of Well																	
UNIT LETTER <u>B</u> LOCATED <u>660</u> FEET FROM THE <u>N</u> LINE AND <u>1982</u> FEET FROM																	
THE <u>E</u> LINE OF SEC. <u>26</u> TWP. <u>17S</u> RGE. <u>34E</u> MPM																	
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DI, RKB, RT, GR, etc.)		19. Elev. Casinghead									
3-7-38		4-13-38				4032 GR											
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By		Rotary Tools		Cable Tools							
6877		5989		☒													
24. Producing Interval(s), of this completion - Top, Bottom, Name										25. Was Directional Survey Made							
4476 - 4575 SAN ANDRES																	
26. Type Electric and Other Logs Run										27. Was Well Cored							
28. CASING RECORD (Report all strings set in well)																	
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED							
10 3/4		40#		846		13 1/4		175 SX (Circ)									
7"		24#		4270		8 3/4		281 SX (2220' Top)									
29. LINER RECORD																	
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET			
5"		4166		6877		370				2 3/8		4620		-			
31. Perforation Record (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
4476, 78, 82, 85, 88, 92, 94, 99, 4507, 13, 18, 21, 23, 30, 39, 43, 46, 51, 53, 57, 72, + 4575 w/ 15 SPF & 22 holes										DEPTH INTERVAL				AMOUNT AND KIND MATERIAL USED			
33. PRODUCTION																	
Date First Production		Production Method (Flowing, gas lift, pumping -- Size and type pump)								Well Status (Prod. or Shut-in)							
Date of Test		Hours Tested		Choke Size		Prod'n. For Test Period		Oil -- Bbl.		Gas -- MCF		Water -- Bbl.		Gas -- Oil Ratio			
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil -- Bbl.		Gas -- MCF		Water -- Bbl.		Oil Gravity -- API (Corr.)					
34. Disposition of Gas (Sold, used for fuel, vented, etc.)										Test Witnessed By							
35. List of Attachments																	
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									

FIELD <i>Vacuum Grba San Andres</i>	OPERATOR <i>Mobil Oil Corp</i>	DATE <i>5-19-76</i>
LEASE <i>Bridges State</i>	WELL No <i>4</i>	LOCATION <i>B-26-17S-34E</i>



10³/₄ " casing set at 846 ' with 175 sx of NA cement
Hole size 12¹/₄ "

2,220 ' Calculated Cmt Top

4166 ' Liner top

7 " casing set at 4270 ' with 281 sx of NA cement
Hole size 8³/₂ "

→ 2³/₈ " tubing 4,612 '

San Andres Perfs 4476 - 4575

5,989 ' P.B.T.D.
6,000

Glorieta Perfs 6096 - 6125

6,333 ' P.B.T.D.

Blincro Perfs 6449 - 6760

5 " liner set at 6577 ' with 370 sx of T/LW + 1/2 cement
Total Depth 6577 ' Hole size 6¹/₈ "

16W

Salt Water Disposal Application
Bridges State Well No. 511
Section 23, T-17-S, R-34-E
Vacuum Grayburg-San Andres Field
Lea County, New Mexico

Wells in Area of Review
Perforating & Cementing Information

Operator MOBIL PRODUCING TX + N.M., Inc

Well Name & Number BRIDGES STATE #4

BLINEBRY PERFS - 6449-6760 - 3020 w/ cmt PLUG TO 6333 PBTD

GLORIETA PERFS - 6096-6125 - CIBP @ 6000 + cmt TO 5989 PBTD

OIL CONSERVATION DIVISION

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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LAND OFFICE	
OPERATOR	

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

1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WTW
b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name
8. Farm or Lease Name
Bridges State
9. Well No.
5

2. Name of Operator
Mobil Producing TX. & N.M. Inc.
3. Address of Operator
P.O. Box 633, Midland, TX 79702
4. Location of Well

10. Field and Pool, or Well, at
Gradya
Tatum Grayburg - San

UNIT LETTER C LOCATED 660 FEET FROM THE N LINE AND 1980 FEET FROM
11. LINE OF SEC. 26 TWP. 17S RGE. 34E N.M.P.M.

12. County
Lea

15. Date Spudded 3-7-38 16. Date T.D. Reached 4-13-38 17. Date Compl. (Ready to Prod.)
18. Elevations (DF, RKB, RT, GR, etc.) 4039 - GL
20. Total Depth 4750 21. Plug Back T.D. OH 22. If Multiple Compl., How Many
23. Intervals Drilled By Rotary Tools Cable Tools

19. Elev. Casinghead
25. Was Directional Survey Made

24. Producing Interval(s), of this completion - Top, Bottom, Name
OHZ 4277 - 4750 SAN ANDRES

27. Was Well Cored

26. Type Electric and Other Logs Run

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>10 3/4"</u>	<u>48</u>	<u>805</u>		<u>175x</u>	
<u>7"</u>	<u>24</u>	<u>4277</u>		<u>280x</u>	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				<u>2 7/8</u>	<u>4028</u>	<u>4028</u>

31. Perforation Record (Interval, size and number)
OHZ 4277 - 4750 (SAN ANDRES)

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION
Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)
Date of Test Hours Tested Choke Size Prod'n. For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio
Flow Tubing Fracs. Casing Pressure Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

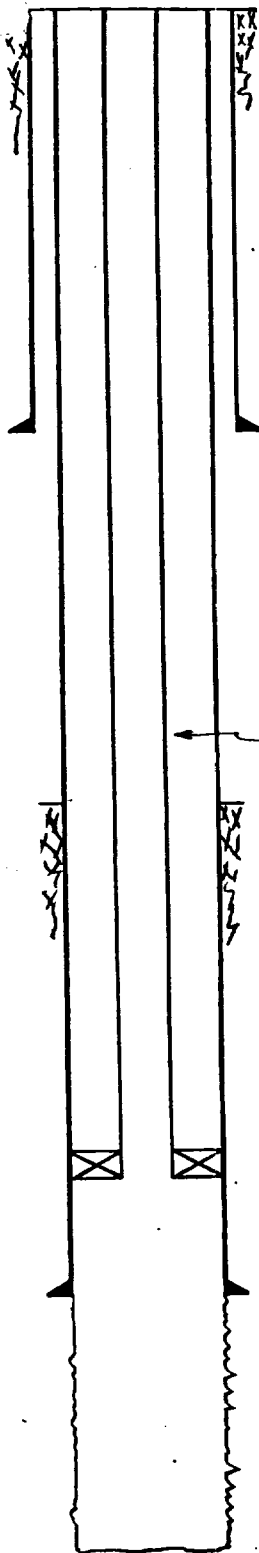
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED TITLE DATE

LOCATION C-26-175-34E COUNTY LEA STATE NM

SIGNED N.T. BURNETT

GL 4039'
DF _____
KB _____
ZERO _____



— 10 3/4" 48# CSG SET @ 805' w/ 175 SX CMT. CIRC.

← 103 JTS OF 2 3/8" CL TBG + 28 JTS OF 2 3/8" 10V CL TBG

— CALC TOC @ 2345'

— 7" 601B ST PKR SET @ 4028' w/ 14 PTS T

— 7" 24# CSG SET @ 4277' w/ 275 SX CMT.

TD 4750'

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

10. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

11. TYPE OF COMPLETION

NEW ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator

Mobil Producing Tx. & N.M. Inc.

3. Address of Operator

P.O. Box 633, Granger, 79701

4. Location of Well

UNIT LETTER *J* LOCATED *1980* FEET FROM THE *S* LINE AND *1980* FEET FROM

THE *E* LINE OF SEC. *23* TWP. *17N* RGE. *34E* NMPM

7. Unit Agreement Name

8. Farm or Lease Name

Bridges State

9. Well No.

8

10. Field and Pool, or Wildcat

Granger Grayburg - San

12. County

Lea

15. Date Spudded

4-28-38

16. Date T.D. Reached

6-6-38

17. Date Compl. (Ready to Prod.)

18. Elevations (DF, RKB, RT, GR, etc.)

4035 - GR

19. Elev. Casinghead

20. Total Depth

1740
4620

21. Plug Back T.D.

4560 - FULL

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

OHZ 4365 - 4560 GRAYBURG / SAN ANDRES

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>10 3/4</i>	<i>36</i>	<i>805</i>	<i>12 1/4</i>	<i>220 x (CIRC)</i>	
<i>7</i>	<i>24</i>	<i>4365</i>	<i>8 3/4</i>	<i>210 x (2700 - TOC)</i>	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
<i>2 7/8</i>	<i>OPMA - 4556</i>	<i>-</i>

31. Perforation Record (interval, size and number)

OHZ - 4365 - 4560

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production _____ Production Method (Flowing, gas lift, pumping - Size and type pump) _____ Well Status (Prod. or Shut-in) _____

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

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 _____

DATE 6-6-95 WELL NO. 8 LEASE BRIDGES STATE FIELD VACUUM GRB6 SA
LOCATION J-23-175-34E COUNTY LEA STATE N.M. GL 4025 *
SIGNED M.E. VASICEK DF _____
KB _____
ZERO _____

* DATA FROM #156

— 12 1/4" HOLE

— 10 3/4" CSG SET @ 805' w/ 220 SX CMT CIRL

— 2700' CMT TOP (CALCULATED)

— 8 3/4" HOLE

— 7" CSG SET @ 4365' w/ 210 SX CMT.

— 2 7/8" PRODUCTION STRING (SN ± 4521 OPMA ± 4556)

— CURRENT TD (FILL) 4560

— TD 4740'

OIL CONSERVATION DIVISION

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WIW

b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name

2. Name of Operator
Mobile Producing TX. & N.M. Inc.

8. Farm or Lease Name
Bridges State

3. Address of Operator
P.O. Box 633, Woodland, TX 79702

9. Well No.
30

4. Location of Well
UNIT LETTER 2 LOCATED 1980 FEET FROM THE N LINE AND 1980 FEET FROM

10. Field and Pool, or Wildcat
Andres
Vacuum Grayburg-San

THE E LINE OF SEC. 26 TWP. 17S RGE. 34E N.M.P.M.

12. County
Lee

15. Date Spudded 3-30-38 16. Date T.D. Reached 4-25-38 17. Date Compl. (Ready to Prod.) 4-25-38 18. Elevations (DF, RKB, RT, GR, etc.) 409-GL 19. Elev. Casinghead

20. Total Depth 6800 21. Plug Back T.D. 6330 22. If Multiple Compl., How Many 409-GL 23. Intervals Drilled By Rotary Tools Cable Tools

24. Producing Interval(s), of this completion -- Top, Bottom, Name
4450-4836 GRAYBURG/SAN ANTONIO

25. Was Directional Survey Made

26. Type Electric and Other Logs Run 27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>10 3/4</u>	<u>35.75</u>	<u>828</u>	<u>12 1/4</u>	<u>307 x (LRC)</u>	
<u>7</u>	<u>24</u>	<u>4200</u>	<u>8 3/4</u>	<u>216 x 2375 (TCC)</u>	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
<u>5 1/2" 17#</u>	<u>4069</u>	<u>5061</u>	<u>275 x</u>		<u>2 3/8</u>	<u>4362</u>	<u>4362</u>
<u>5" 15.5#</u>	<u>5061</u>	<u>6800</u>					

31. Perforation Record (Interval, size and number)
4450-70, 71-77, 80-86, 4490-4520, 4568-75, 4735-36, 40-48, 75-77, 81-88, 4813-17, 24-36
w/ 13SPF & 105 HOLES

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

33. PRODUCTION
Date First Production Production Method (Flowing, gas lift, pumping -- Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil -- Bbl.	Gas -- MCF	Water -- Bbl.	Gas -- Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil -- Bbl.	Gas -- MCF	Water -- Bbl.	Oil Gravity -- API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

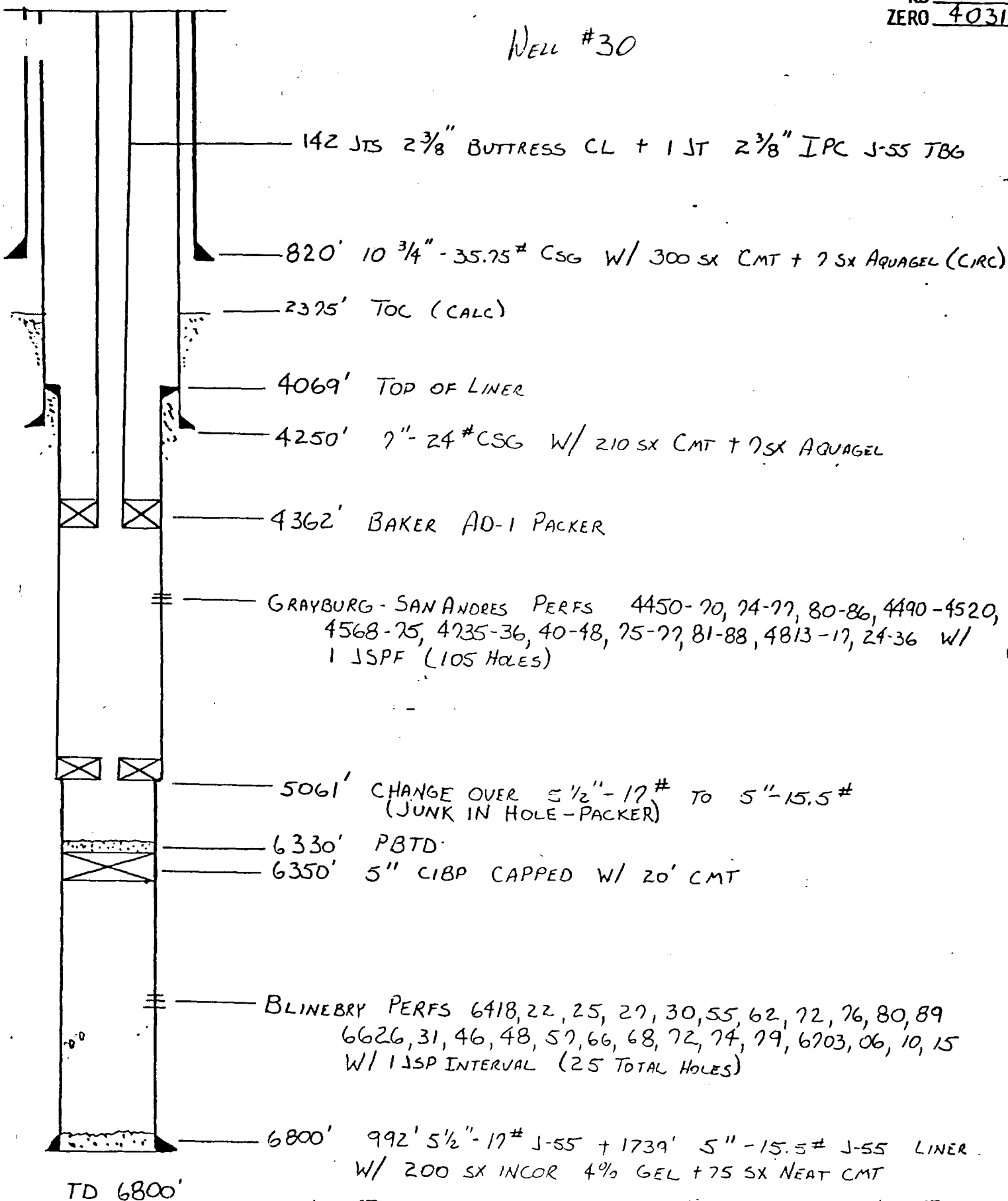
35. List of Attachments

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

LOCATION G-26-12S-34E COUNTY LEA STATE NM GL 4019
ORIG CAMP 4-25-39 SIGNED W L REEVES DF
KB
ZERO 4031

WELL #30



Salt Water Disposal Application
Bridges State Well No. 511
Section 23, T-17-S, R-34-E
Vacuum Grayburg-San Andres Field
Lea County, New Mexico

Wells in Area of Review
Perforating & Cementing Information

Operator MOBILE PRODUCING TX & N.M., INC.

Well Name & Number BRIDGES STATE # 30 W1W

BLINEBRY PERFS - 6418 - 6715 (25 hole) w/

CIBP @ 6350 + CMT CAP TO 6330 P870

OIL CONSERVATION DIVISION

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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LAND OFFICE	
OPERATOR	

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

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name
8. Form or Lease Name
9. Well No.

2. Name of Operator
3. Address of Operator
4. Location of Well

10. Field and Pool, or Wildcat
11. County

UNIT LETTER A LOCATED 660 FEET FROM THE NORTH LINE AND 660 FEET FROM
THE EAST LINE OF SEC. 26 TWP. 17S RGE. 34E NMPM

12. County
13. Elev. Casinghead

15. Date Spudded
16. Date T.D. Reached
17. Date Compl. (Ready to Prod.)
18. Elevations (DF, RKB, RT, GR, etc.)
19. Elev. Casinghead

20. Total Depth
21. Plug Back T.D.
22. If Multiple Compl., How Many
23. Intervals Drilled By
24. Producing Interval(s), of this completion - Top, Bottom, Name
25. Was Directional Survey Made

26. Type Electric and Other Logs Run
27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	36	825	12-1/4	240' cement to surface	
7	24	4230	8-3/4	210' cement to 2692'	
4-1/2 liner		4025-6795	6-1/4	400' cement to 4090' per temp survey	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	6516	6426

31. Perforation Record (Interval, size and number)
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL
AMOUNT AND KIND MATERIAL USED

33. PRODUCTION
Date First Production
Production Method (Flowing, gas lift, pumping - Size and type pump)
Well Status (Prod. or Shut-in)
Date of Test
Hours Tested
Choke Size
Prod'n. For Test Period
Oil - Bbl.
Gas - MCF
Water - Bbl.
Gas - Oil Ratio
Flow Tubing Press.
Casing Pressure
Calculated 24-Hour Rate
Oil - Bbl.
Gas - MCF
Water - Bbl.
Oil Gravity - API (Corr.)

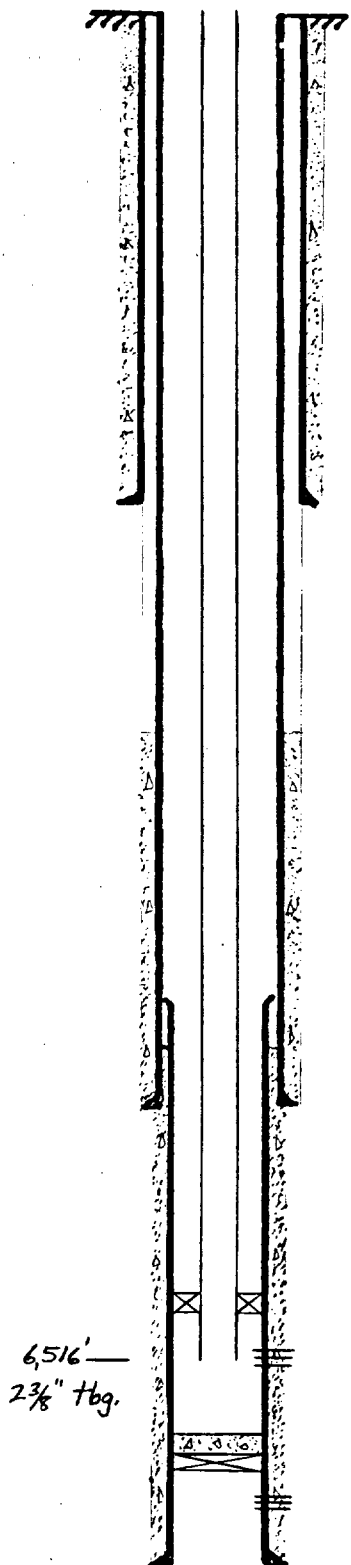
34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Test Witnessed By

35. List of Attachments

35. 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 _____

FIELD	Vacuum Blinebry	OPERATOR	Mobil Oil Corp.	DATE	5-11-76
LEASE	Bridges State	WELL No	38	LOCATION	A-26-17S-34E



10³/₄\" casing set at 825 ' with 240 sx of N.A. cement
Hole size 12¹/₄ \" cement circ.

2,694' cement top. (calc.)

4,025 ' Liner top

4,090' cement top (T.S.)

7 \" casing set at 4,230 ' with 210 sx of N.A. cement
Hole size 8³/₄ \"

6,426' Guib. packer

Yeso Perfs 6,472'-6,518'

6,620' PBD

6,630' CIBP w/10' of cmt.

Yeso Perfs 6,667'-6,713'

4¹/₂ \" liner set at 6,795 ' with 400 sx of Incor 4% gel
Incor Neat cement

Total Depth 6,795 ' Hole size 6¹/₄ \"

LMP

Salt Water Disposal Application
Bridges State Well No. 511
Section 23, T-17-S, R-34-E
Vacuum Grayburg-San Andres Field
Lea County, New Mexico

Wells in Area of Review
Perforating & Cementing Information

Operator MOBIL PRODUCING TX + N.M., INC

Well Name & Number BRIDGES STATE # 38

YESD (BLINEBRY) PERFS - 6667-6713 - CIBP @ 6630 +

CMT CAP TO 6620 PBD.

OIL CONSERVATION DIVISION

P. O. BOX 1088

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

1a. 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

Wright Producing Co. & W.M. Inc.

3. Address of Operator

P.O. Box 633, Woodland, TX 79702

4. Location of Well

UNIT LETTER *P* LOCATED *660* FEET FROM THE *S* LINE AND *660* FEET FROM

THE *E* LINE OF SEC. *23* TWP. *17S* RGE. *34E* NMPM

7. Unit Agreement Name

8. Farm or Lease Name

Bridge State

9. Well No.

41

10. Field and Pool, or Wildcat

Andrew Grayburg-San

12. County

San

15. Date Spudded

8-17-39

16. Date T.D. Reached

9-12-39

17. Date Compl. (Ready to Prod.)

18. Elevations (DF, RKB, RT, GR, etc.)

4031 - GR

19. Elev. Casinghead

20. Total Depth

4720

21. Plug Back T.D.

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

OHZ - 4300 - 4720 GRAYBURG/SAN ANDRES

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

27. Was Well Cured

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>10 3/4</i>	<i>36</i>	<i>830</i>	<i>12 1/4</i>	<i>250 X (CIRC)</i>	
<i>7</i>	<i>24</i>	<i>4300</i>	<i>8 3/4</i>	<i>220 X (TCC-2690)</i>	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					<i>2 7/8</i>	<i>4560</i>	<i>4151 - TAC</i>

31. Perforation Record (Interval, size and number)

OHZ - 4300 - 4720

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

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

FIELD <u>Vacuum Grayburg S.A.</u>	OPERATOR <u>Mobil Oil Corp.</u>	DATE <u>5-17-76</u>
LEASE <u>Bridges State</u>	WELL No <u>41</u>	LOCATION <u>P-23-17S-34E</u>

10³/₄" casing set at 830 ' with 250 sx of N.A. cement
Hole size 12¹/₄" cement circ.

2690' Cement top (Calc.)

4,151' Guib Tbg. anchor

7 " casing set at 4,300 ' with 220 sx of N.A. cement
Hole size 8³/₄"

4,560' 2⁷/₈" tbg.

Total Depth 4,720'

LMP

OIL CONSERVATION DIVISION

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SANTA FE, NEW MEXICO 87501

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LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WIW

b. TYPE OF COMPLETION

NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

2. Name of Operator

Mobile Producing TX. & N.M. Inc.

3. Address of Operator

P.O. Box 633, Grindland, TX 79702

4. Location of Well

UNIT LETTER I LOCATED 1980 FEET FROM THE 5 LINE AND 660 FEET FROM

THE E LINE OF SEC. 23 TWP. 17S RGE. 34E NMPM

15. Date Spudded

9-17-39

16. Date T.D. Reached

10-13-39

17. Date Compl. (Ready to Prod.)

18. Elevations (DF, RKB, RT, GR, etc.)

4033 - G2

19. Elev. Casinghead

20. Total Depth

4735

21. Plug Back T.D.

4764

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

4524 - 4578 GRAYBURG/SAN ANDRES

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>10 3/4</u>	<u>35.75</u>	<u>824</u>	<u>12 1/4</u>	<u>250 x (CIRC)</u>	
<u>7</u>	<u>22</u>	<u>4280</u>	<u>8 3/4</u>	<u>210 x (TOC-2340)</u>	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
<u>5-15"</u>	<u>4088</u>	<u>4735</u>	<u>400 C (CIRC)</u>	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
<u>2 7/8</u>	<u>4035'</u>	<u>4035'</u>

31. Perforation Record (Interval, size and number)

4524, 26, 26, 32, 34, 38, 40, 42, 44, 46, 48, 53, 55,
57, 62, 64, 66, 69, 72, 74, 76, + 78 @ 1/15 SP
+ 22 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production _____ Production Method (Flowing, gas lift, pumping - Size and type pump) _____ Well Status (Prod. or Shut-in) _____

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

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 _____

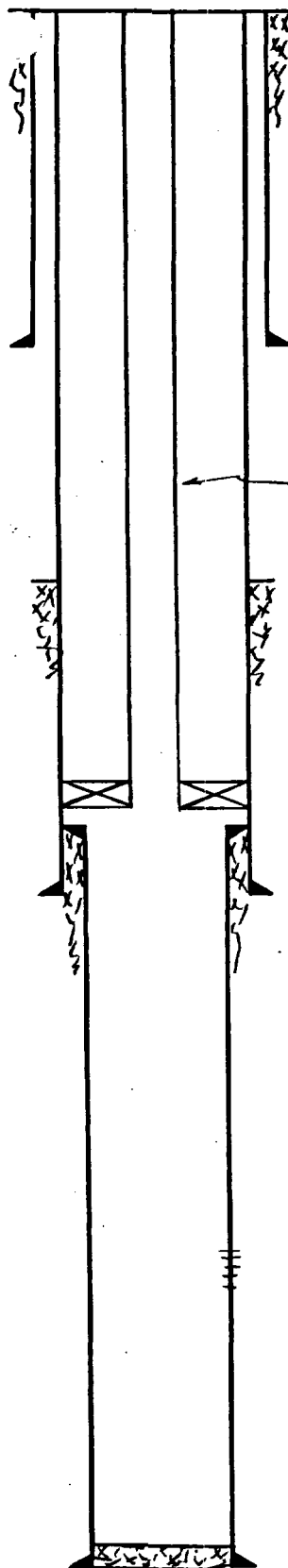
DATE _____

DATE 4-0-00 WELL NO. TD 4735 LEASE W. T. BURNETT FIELD W. T. BURNETT

LOCATION I-23-175-34E COUNTY LEA STATE NM GL 4033'

SIGNED W. T. BURNETT

DF _____
KB _____
ZERO _____



— 10 3/4", 35.75# CSG SET @ 824' w/ 250 SX CMT. CIRC.

— 130 JTS OF 2 1/8" CL TBG

— TOC @ 2340' (TEMP. SURVEY)

— 7" JOHNSTON TENSION PKR SET @ 4035' w/ 9 PTS T

— TOP OF LNR @ 4088'

— 7", 22# CSG SET @ 4280' w/ 210 SX CMT

— G/SA PERFS: 4524, 26, 28, 32, 34, 38, 40, 42, 44, 46, 48, 53, 55, 57, 62, 64, 66, 69, 72, 74, 76 & 78 w/ 1 JSPF (22 HOLES)

— 5", 15#, K-55 LNR SET @ 4735' w/ 400 SX CLASS C w/ 0.03% D31 +
1/8" CELLOFLARES/SX.

TD 4735'
PBD 4704'

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name

8. Farm or Lease Name
BRIDGES STATE

2. Name of Operator
MOBILE PROCESSING TX & N.M., INC.

3. Address of Operator
Box 633 MICLADA, TX 79702

4. Location of Well

9. Well No.
58

10. Field and Pool, or Wildcat
VACUUM GLORIETA

UNIT LETTER M LOCATED 6600 FEET FROM THE W LINE AND 660 FEET FROM THE S LINE OF SEC. 24 TWP. 17S RGE. 34E NMPM

12. County

15. Date Spudded 3-2-40 16. Date T.D. Reached 3-27-40 17. Date Compl. (Ready to Prod.) 18. Elevations (DF, RKB, RT, GR, etc.) 4025-6L 19. Elev. Casinghead

20. Total Depth 6800 21. Plug Back T.D. 6268 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
6016-6064 - GLORIETA

25. Was Directional Survey Made

26. Type Electric and Other Logs Run 27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4	36	830	12 1/4	250x (CIRC)	
7	22	4245	8 3/4	220x (2635 TOC)	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
5"	4025	6800	225x (CIRC)		2 3/8	6246	TAC @ 6147

31. Perforation Record (Interval, size and number)
6016, 18, 20, 22, 24, 26, 28, 34, 36, 38, 40, 42, 44, 46, 52, 54, 56, 58, 62, 64 w/ 15SPF + 20 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)

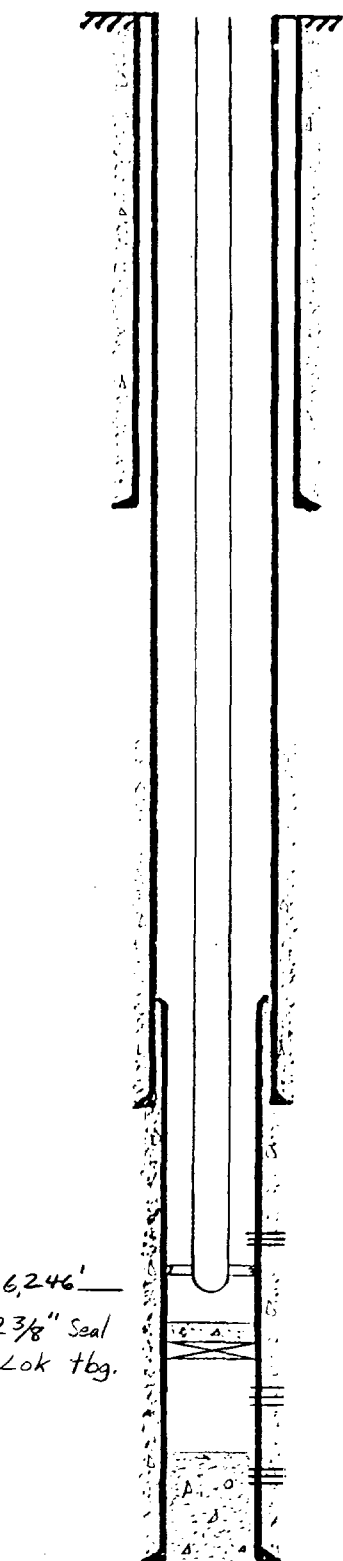
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

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

FIELD <i>Vacuum Glorieta</i>	OPERATOR <i>Mobil Oil Corp.</i>	DATE <i>5-11-76</i>
LEASE <i>Bridges State</i>	WELL No <i>58</i>	LOCATION <i>M-24-17S-34E</i>



10³/₄ " casing set at 830 ' with 250 sx of N.A. cement
Hole size 12¹/₄ " cement circ.

2635 ' Calc. cement top

4025 ' Liner top

7 " casing set at 4245 ' with 220 sx of N.A. cement
Hole size 8³/₄ "

Glorieta Perfs 6016'-6064'
6,147 ' Guiberson tbg. anchor

6,268 ' PBTD
6,337 ' CIBP w/10 sx cmt

Blinebry Perfs 6407'-6,571'

Blinebry Perfs 6667'-6,747' Squeezed w/cmt plug to 6623'

5 " liner set at 6800 ' with 225 sx of Incor 4% gel +
Total Depth 6800 ' Hole size 6¹/₄ " Incor Neat cement
cement circ.

Salt Water Disposal Application
Bridges State Well No. 511
Section 23, T-17-S, R-34-E
Vacuum Grayburg-San Andres Field
Lea County, New Mexico

Wells in Area of Review
Perforating & Cementing Information

Operator MOBIL PRODUCING TX & N.M., INC

Well Name & Number BRIDGES STATE #58 VACUUM GLORIETA

BLINEBRY — SQZD FOLLOWING PERFS w/ CMT PLUG — 6667-6749

SQZD 6407-6571

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Form C-105
Revised 11-9-78

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.

10. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WTW

b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name

8. Farm or Lease Name
Bridges State

9. Well No.
105

2. Name of Operator
Mobile Producing TX & N.M. Inc.

3. Address of Operator
Box 633 MIDLAND, TX 79702

4. Location of Well

10. Field and Pool, or Wildcat
San Andres
Taratum Shaleburg

UNIT LETTER A LOCATED 660 FEET FROM THE North LINE AND 500 FEET FROM

THE East LINE OF SEC. 26 TWP. 17S RGE. 34E NMPN

12. County
Lea

15. Date Spudded <u>3-18-65</u>	16. Date T.D. Reached <u>4-5-65</u>	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.) <u>4010 GR</u>	19. Elev. Casinghead
20. Total Depth <u>6150</u>	21. Plug Back T.D. <u>5958</u>	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools Cable Tools	25. Was Directional Survey Made
24. Producing Interval(s), of this completion - Top, Bottom, Name <u>4448-4816 SAN ANDRES</u>				27. Was Well Cored
26. Type Electric and Other Logs Run				

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>8 5/8"</u>	<u>24</u>	<u>1516</u>	<u>12 3/4</u>	<u>900x (CIRC)</u>	
<u>4 1/2"</u>	<u>9.5#</u>	<u>6150</u>	<u>7 7/8</u>	<u>1675x (CIRC)</u>	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					<u>2 3/8</u>	<u>4294</u>	<u>4294</u>

31. Perforation Record (Interval, size and number)
4448, 54, 61, 88, 92, 94, 99, 4507, 09, 15, 19, 21, 23, 4533, 36, 40, 42, 80, 83, 85, 89, 93, 4605, 18, 4722, 25, 29, 71, + 4773 w/ 13SPF + 29 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
Date of Test	Hours Tested	Choke Size
Prod'n. For Test Period	Oil - Bbl.	Gas - MCF
Water - Bbl.	Gas - Oil Ratio	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate
Oil - Bbl.	Gas - MCF	Water - Bbl.
Oil Gravity - API (Corr.)		

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

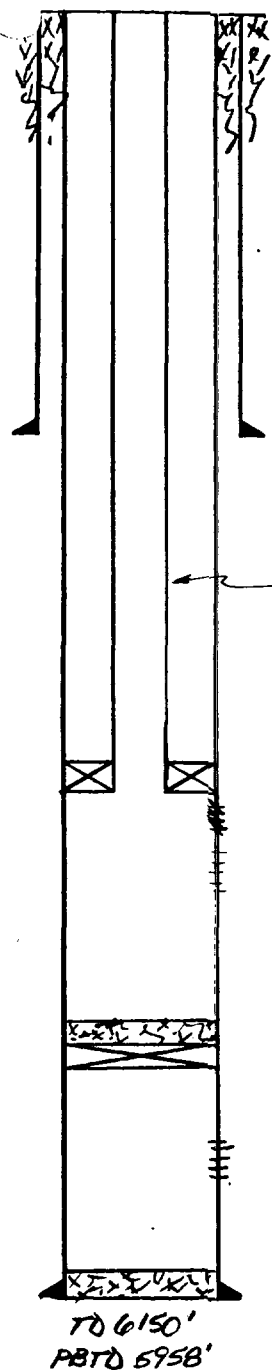
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED _____ TITLE _____ DATE _____

LOCATION A-26-175-34E COUNTY LEA STATE NM

SIGNED W.T. BURNETT

GL 4017'
DF _____
KB 4027'
ZERO _____



— 8 3/8", 24#, J-55 CSG SET @ 1516' w/ 850 SX INCORP 4% GEL + 50 SX NEAT w/ 1/4# FLOCELE/SX + 2% HAS. CIRC.

← 138 JTS OF 2 3/8" CL TBG

— 4 1/2" PC BAKER AD-1 TENSION P.B. SET @ 4294' w/ 10 PTS T

— G/SA PERFS: 4361-4773' SQZ'D w/ 200 SX G/IT. RESQZ'D w/ 200 SX CMT 8/72.

— G/SA PERFS: 4448-4816' OA

— 4 1/2" BAKER CIBP SET @ 6000'. CAPPED w/ 42' CMT. TOC @ 5958'

— GLOR PERFS: 6044-6096' OA (32 HOLES)

— 4 1/2", 9.5#, J-55 CSG SET @ 6150' w/ 1675 SX TLW + 100 SX NEAT. CIRC.

TO 6150'
PB TO 5958'

Salt Water Disposal Application
Bridges State Well No. 511
Section 23, T-17-S, R-34-E
Vacuum Grayburg-San Andres Field
Lea County, New Mexico

Wells in Area of Review
Perforating & Cementing Information

Operator MOBIL PRODUCING TX + N.M., INC.

Well Name & Number BRIDGES STATE #105 W1W1

GLORIETA PERFS - 6044 - 6096 (32 holes) w/

CIBP @ 6000 + CMT CAP TO 5958

SAN ANDRES PERFS - 4361 - 4773 SQZD w/ 200 SX CMT +

RE SQZD w/ 200 SX (8/72)

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

Form C-105
Revised 11-1-8

1. TYPE OF WELL

OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WIW

b. TYPE OF COMPLETION

NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

2. Name of Operator
MOBIL PRODUCING TEXAS & NEW MEXICO, INC

3. Address of Operator
P.O. Box 633, MIDLAND, TX 79702

4. Location of Well

UNIT LETTER P LOCATED 660 FEET FROM THE 5 LINE AND 460 FEET FROM

THE E LINE OF SEC. 23 TWP. 128 RGE. 34E KMPM

15. Date Spudded 7-30-66 16. Date T.D. Reached 9-21-66 17. Date Compl. (Ready to Prod.)

18. Elevations (DF, RKB, RT, GR, etc.) 4023 - GL

20. Total Depth 10,414 21. Plug Back T.D. 9495 22. If Multiple Compl., How Many

23. Intervals Drilled By Rotary Tools Cable Tools

24. Producing Interval(s) of this completion - Top, Bottom, Name
8445 - 8497 - A60

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>13 3/8"</u>	<u>8</u>	<u>366</u>		<u>350 SX INCOR NT. + 2% 2" (CIRC)</u>	
<u>9 5/8"</u>	<u>40</u>	<u>5000'</u>	<u>12 1/4"</u>	<u>2100 SX INCOR 6% GEL + 100 SX INCOR NT. (TDC @ 765)</u>	
<u>7"</u>	<u>23*</u>	<u>10414</u>	<u>8 3/4"</u>	<u>1275 SX INCOR 4% GEL + 100 SX INCOR NT (CIRC)</u>	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
<u>7"</u>	<u>4710</u>	<u>10414</u>	<u>1375</u>	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
<u>2 3/8</u>	<u>8400</u>	<u>8377</u>

31. Perforation Record (Interval, size and number)
8445, 49, 51, 55-57, 63, 79-84, 89-91, 93, 95-97 w/ 23SPF + 40 HOLES

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

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

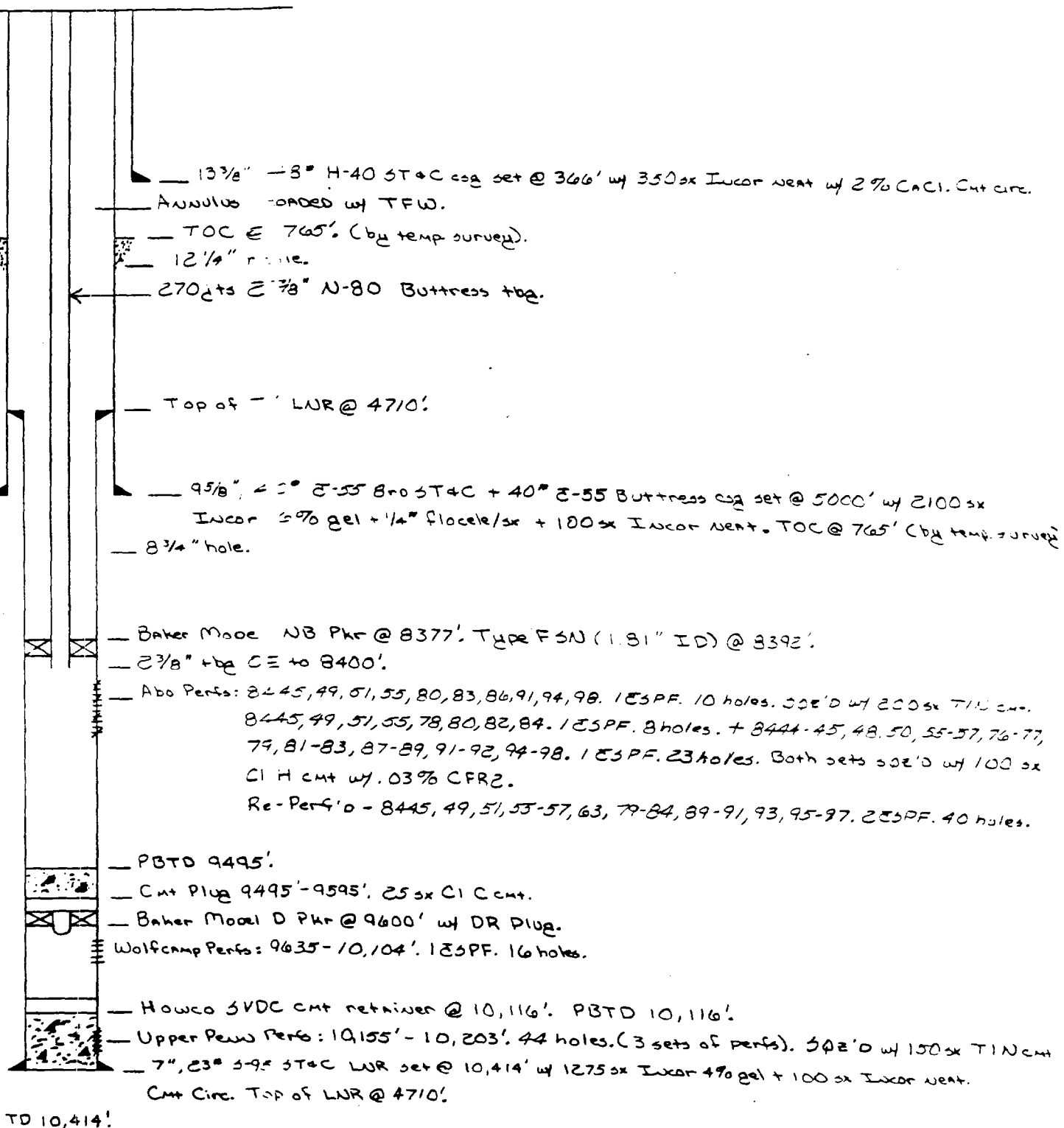
DATE

DATE 3-23-83 WELL NO. 117 LEASE No. Vacuum Abo Unit FIELD Vacuum Abo North

LOCATION P-23-175-34E
660' FSL and 46C FEL

SIGNED M. W. DEER

G.L. 4023'
D.F. 4035'
K.B. 4036'
ZERO 12' AGL



Salt Water Disposal Application
Bridges State Well No. 511
Section 23, T-17-S, R-34-E
Vacuum Grayburg-San Andres Field
Lea County, New Mexico

Wells in Area of Review
Perforating & Cementing Information

Operator MOBILE PRODUCING TX & N.M., INC

Well Name & Number NVALU # 117

UPPER PENN PERFS - SQZD w/ 150 x - 10,155 - 10,203 (44 holes)

WOLF CAMP PERFS - BAKER MODEL D PKR @ 9600' w/ DR PLUG -

9635 - 10,104 1 JSPP + 16 HOLES

AB₂ PERFS - 8445, 49, 51, 55, 80, 83, 86, 91, 94, 98 10 holes - sqz w/ 200 SX

8445, 49, 51, 55, 78, 80, 82, 84 - 8 holes + 8844-45,

48, 50, 55-57, 76-77, 79, 81-83, 87-89, 91-92, 94-98

(23 holes) BOTH SETS SQZD w/ 102 SX.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

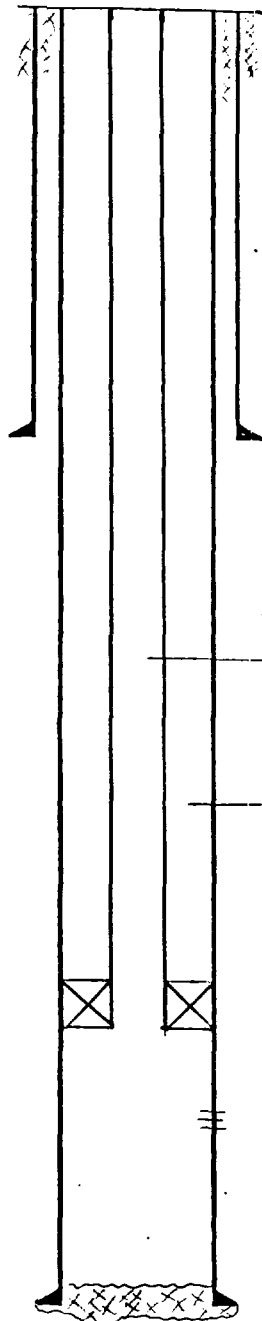
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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OPERATOR	

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

1a. TYPE OF WELL		OIL WELL ☐		GAS WELL ☐		DRY ☐		OTHER <u>W/W</u>									
b. TYPE OF COMPLETION		NEW WELL ☐		WORK OVER ☐		DEEPEN ☐		PLUG BACK ☐		DIFF. RESVR. ☐		OTHER					
2. Name of Operator												7. Unit Agreement Name					
<u>MOBIL PRODUCING TX & N.M., INC.</u>												8. Farm or Lease Name					
3. Address of Operator												9. Well No.					
<u>Box 633 MIDLAND, TX 79702</u>												127					
4. Location of Well												10. Field and Pool, or Wildcat					
												<u>VACUUM GRAYBURG SAN ANDRES</u>					
UNIT LETTER <u>M</u> LOCATED <u>560</u> FEET FROM THE <u>N</u> LINE AND <u>600</u> FEET FROM												12. County					
TNE <u>5</u> LINE OF SEC. <u>24</u> TWP. <u>17S</u> RGE. <u>34E</u> NMPM																	
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF, RKB, RT, GR, etc.)		19. Elev. Casinghead									
<u>6-28-68</u>		<u>7-8-68</u>															
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By		Rotary Tools		Cable Tools							
<u>4850</u>		<u>4820</u>				<u>→</u>											
24. Producing Interval(s), of this completion — Top, Bottom, Name										25. Was Directional Survey Made							
<u>4484-4785 GRAYBURG/SAN ANDRES</u>																	
26. Type Electric and Other Logs Run										27. Was Well Cored							
28. CASING RECORD (Report all strings set in well)																	
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED							
<u>8 5/8</u>		<u>24</u>		<u>1605</u>		<u>11</u>		<u>800 x (circ)</u>									
<u>5 1/2</u>		<u>15.5</u>		<u>4848</u>		<u>7 7/8</u>		<u>1400 x (circ)</u>									
29. LINER RECORD														30. TUBING RECORD			
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET			
										<u>2 3/8</u>		<u>4407</u>		<u>4407</u>			
31. Perforation Record (Interval, size and number)														32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
<u>4484, 92, 94, 96, 98, 4560, 03, 05, 08, 12, 16, 20, 23, 29,</u>														DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
<u>4532, 36, 39, 57, 59 + 4735, 38, 75, 76, 79, 80, + 4785</u>																	
<u>W/ 25SPF + 52 holes</u>																	
33. PRODUCTION																	
Date First Production		Production Method (Flowing, gas lift, pumping — Size and type pump)								Well Status (Prod. or Shut-in)							
Date of Test		Hours Tested		Choke Size		Prod'n. For Test Period		Oil — Bbl.		Gas — MCF		Water — Bbl.		Gas — Oil Ratio			
						<u>→</u>											
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		<u>→</u>		Oil — Bbl.		Gas — MCF		Water — Bbl.		Oil Gravity — API (Corr.)			
34. Disposition of Gas (Sold, used for fuel, vented, etc.)												Test Witnessed By					
35. List of Attachments																	
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									

LOCATION M-24 - 12S-34E COUNTY LEA STATE NM GL 4030'
 SIGNED W L REEVES DF _____
 KB _____
 ZERO _____



1605' 8 5/8" 32# CSG 700 SX INCOR 4% GEL + 100 SX
 INCOR NEAT W/ 2% CaCl₂ CIRC

144 JTS. 2 3/8" 8RD DUOLINED TBG

75 B1 FRESH WATER W/ 50 GAL CHAMPION AD-54

4407' GUBB UNI-PACKER I (SHORTY TENSION) SET W/ 11 PTS

G/SA PERFS 4484, 92, 94, 96, 98, 4500, 03, 05, 08, 12, 16, 20, 23, 29
 4532, 36, 39, 57, 59 + 4735, 38, 75, 76, 79, 80 & 4785
 W/ 2 SSPF (52 TOTAL HOLES)

4848' 5 1/2" 15.5# J-55 CSG W/ 1100 SX TILW + 1300 SX
 INCOR. NEAT. CIRC.

TD 4850'
 PBTD 4820'

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Free ☐
5. State Oil & Gas Lease No.

1a. 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 PRODUCING TX + N.M., INC

3. Address of Operator

Box 633 MIDLAND, TX 79702

4. Location of Well

UNIT LETTER B LOCATED 660 FEET FROM THE N LINE AND 2130 FEET FROM

THE E LINE OF SEC. 26 TWP. 17S RGE. 34E NMPM

15. Date Spudded 6-13-70 16. Date T.D. Reached 7-6-70 17. Date Compl. (Ready to Prod.) 4033 GR 18. Elevations (DF, RKB, RT, GR, etc.) 19. Elev. Casinghead

20. Total Depth 8700 21. Plug Back T.D. 8600 22. If Multiple Compl., How Many — 23. Intervals Drilled By Rotary Tools Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

8481-8525 VACUUM Abo, NORTH

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	23 #	1655	12 1/2"	1300x	—
5 1/2	15.5 # + 17 #	8690	7 7/8"	3800x	—

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	8598	—

31. Perforation Record (Interval, size and number)

8481-83, 89, 95, 97, 8504-09, 13, 15, 19, 23, + 8525 (2 JSPP - 24 HOLES)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

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 _____

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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, two 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 quadruplicate 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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	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 _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet
 No. 2, from to feet
 No. 3, from to feet
 No. 4, from to feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

Mobil Producing Texas & New Mexico Inc.
Proposed Water Injection Well
North Vacuum Abo Field
Lea County, New Mexico

Well Data

- III A. 1. North Vacuum Abo Unit #137
660'FNL & 2130' FEL, Unit B,
Sec. 26, 17-S, 34-E
2. 8-5/8" @ 1655' w/1100 sx circ.
5-1/2" @ 8700' w/2900 sx circ.
TOC 2620 (Bond log)
3. 2-3/8" N-80 Buttress tubing
4. Baker Model NB Packer @ 8550'
- B. 1. Abo
2. 8481'-8525 perforated
3. Originally drilled for production
4. None
5. Next higher formation, Blinbry; next
lower formation Wolfcamp
- VII 1. Maximum 600 BBL/day/well, avg. 250 BBL/day/well
2. Closed system
3. Maximum pressure 4350 psi, avg. 4150 psi
4. Ogalalla water will be injected because of the
adverse affects of produced water on the tight
formation of the Abo zone.

DATE 8-2-85 WELL NO. 131 LEASE NVAK FIELD Vacuum Abn. North

LOCATION B-26-17S-34E

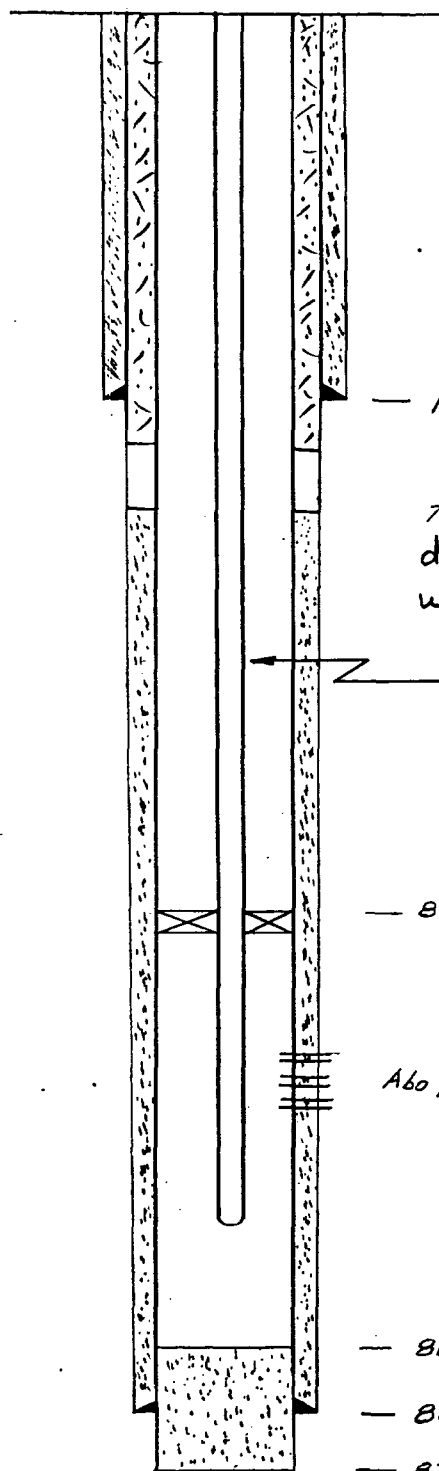
SIGNED MPMaurin

G.L. 4022

D.F. 4036

K.B. 4037

ZERO 15' AGE



Current

— 1655' 8 $\frac{5}{8}$ " 23" csg set w/ Class A cmt w/ 8% gel + 200 sx
Class A neat, all cmt contained 2% CaCl. cmt circ. 12 $\frac{1}{4}$ " hole

TOC @ 2620' (Bond Log) 900 sx cmt sg'd
down annulus. By temp survey, cmt
went into formation from 1760' to 1655'.

— 64 jts 2 $\frac{3}{8}$ " + 212 jts 2 $\frac{3}{8}$ " } (7-1-82)
SN @ 8564

— 8377' Baker A-3 Loc. Set Pkr (10-25-83)

Also parts: 8481, 83, 89, 95, 97, 8504, 09, 13, 15, 19, 23, & 8525
2 JSPF, 24 holes

— 8600' PBTD

— 8690' 5 $\frac{1}{2}$ ", 17" + 15.5" B&L csg, 271 jts set w/ 2900 sx

— 8700 TD Trinity Lite-Wate cmt, $\frac{1}{4}$ " Floccle/sx in 1st 1000 sx
+ 200 sx Class C Neat lost returns @ start of displ,
stopped plug after 32 bbl of displ.
cemented down 8 $\frac{5}{8}$ " csg w/ 900 sx Incor Neat cmt.

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Free ☐

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐ *Approved for WIW*

b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name

8. Farm or Lease Name *Unit North Vacuum Abo*

2. Name of Operator
MOBILE PRODUCING TX & N.M., INC

3. Address of Operator
Box 633 MIDLAND, TX 79702

4. Location of Well

9. Well No.
156

10. Field and Pool, or Wildcat
Vacuum, North Abo

UNIT LETTER *7* LOCATED *1980* FEET FROM THE *5* LINE AND *1780* FEET FROM THE *E* LINE OF SEC. *23* TWP. *17S* RGE. *34E* NMPM

12. County
Lea

15. Date Spudded *4-3-71* 16. Date T.D. Reached *4-25-71* 17. Date Compl. (Ready to Prod.) *4013 - GR* 18. Elevations (DF, RKB, RT, GR, etc.) 19. Elev. Casinghead

20. Total Depth *8750* 21. Plug Back T.D. *8725* 22. If Multiple Compl., How Many *—* 23. Intervals Drilled By *Rotary Tools* Cable Tools

24. Producing Interval(s), of this completion — Top, Bottom, Name
8487 - 8548 Vacuum Abo, North

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>8 5/8</i>	<i>23 #</i>	<i>1680'</i>	<i>12 1/4"</i>	<i>1000x</i>	
<i>5 1/2</i>	<i>15.5 # + 17 #</i>	<i>8750'</i>	<i>7 7/8"</i>	<i>3100x</i>	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
<i>2 3/8"</i>	<i>8716</i>	<i>—</i>

31. Perforation Record (Interval, size and number)
8487, 88, 95, 98, 99, 8500, 01, 02, 07, 09, 22, 24, 26, 27, 35, 44, + 8548 1 JSF - 17 HOLES

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping — Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

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 _____

INSTRUCTIONS

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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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	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 _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

Mobil Producing Texas & New Mexico Inc.
Proposed Water Injection Well
North Vacuum Abo Field
Lea County, New Mexico

Well Data

- III A. 1. North Vacuum Abo Unit #156
1893' FSL & 1800' FEL, Unit J
Sec. 23, 17-S, 34-E
2. 8-5/8" @ 1680' w/1000 sx circ.
5-1/2" @ 8750' w/3100 sx circ.
3. 2-3/8" N-80 Buttress Tubing
4. Baker Model NB Packer @ 8550'
- B. 1. Abo
2. 8487'-8548' perforated
3. Originally drilled for production
4. After circulating cement and running a Temp. Survey, it was determined the top of cement was 2610'. In order to circulate to surface, squeeze holes had to be perforated @ 420', 1175', 2240', & 2603'. (See attached well sketch.)
5. Next higher formation, Blinbry, next lower formation Wolfcamp
- VII 1. Maximum 600 BBL/day, avg 250 BBL/day
2. Closed system
3. Maximum pressure 4350 psi, avg. 4150 psi
4. Ogallala water will be injected because of the adverse affects of produced water on the tight formation of the Abo zone.

FIELD	Vacuum, Abo North	OPERATOR	Mobil Oil Corp	DATE	5-13-76
LEASE	North Vacuum Abo Unit	WELL NO	156	LOCATION	J. Sec 23 T17S R34E

8 5/8 " casing set at 1680 ' with 1000 sx of CLH + gel cement
Hole size 12 1/4 " Cement Circ.

Cement Top - 2610' - Temp. Survey

2 3/8 Tubing

Guib. T.A. Catcher 8428'

Abo Perf. 8487' - 8548'

PSTD 8725'

5 1/2 " casing set at 8750 ' with 3100 sx of TLW cement
Total Depth 8750 ' Hole size 7 7/8 "

5-13-76
JHS

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Free ☐

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Bridges State

9. Well No.
192

10. Field and Pool, or Wildcat
Andrew Grayburg - Sa

12. County
Lea

1a. 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
MOBILE PRODUCING TX & N.M., Inc

3. Address of Operator
Box 633 MIDLAND, TX 79702

4. Location of Well

UNIT LETTER *H* LOCATED *2630* FEET FROM THE *N* LINE AND *1310* FEET FROM

THE *E* LINE OF SEC. *23* TWP. *17S* RGE. *34E* NMPM

15. Date Spudded *11-19-84* 16. Date T.D. Reached *11-28-84* 17. Date Compl. (Ready to Prod.) 18. Elevations (DF, RKB, RT, GR, etc.) *4025-62* 19. Elev. Casinghead

20. Total Depth *4761* 21. Plug Back T.D. *4682* 22. If Multiple Compl., How Many 23. Intervals Drilled By *Rotary Tools* Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
4538 - 4578 GRAYBURG / SAN ANDRES

25. Was Directional Survey Made

26. Type Electric and Other Logs Run 27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>8 5/8</i>	<i>24</i>	<i>1700</i>	<i>12 3/4</i>	<i>1400x (CIRC)</i>	
<i>5 1/2</i>	<i>14</i>	<i>4761</i>	<i>7 7/8</i>	<i>1600x (70% - 890)</i>	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					<i>2 7/8</i>	<i>4434</i>	<i>4434</i>

31. Perforation Record (Interval, size and number)
4538 - 4551, 54-62, + 4566-4578
15SPF + 35 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

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 _____

INSTRUCTIONS

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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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, from _____ to _____

No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet

No. 2, from to feet

No. 3, from to feet

No. 4, from to feet

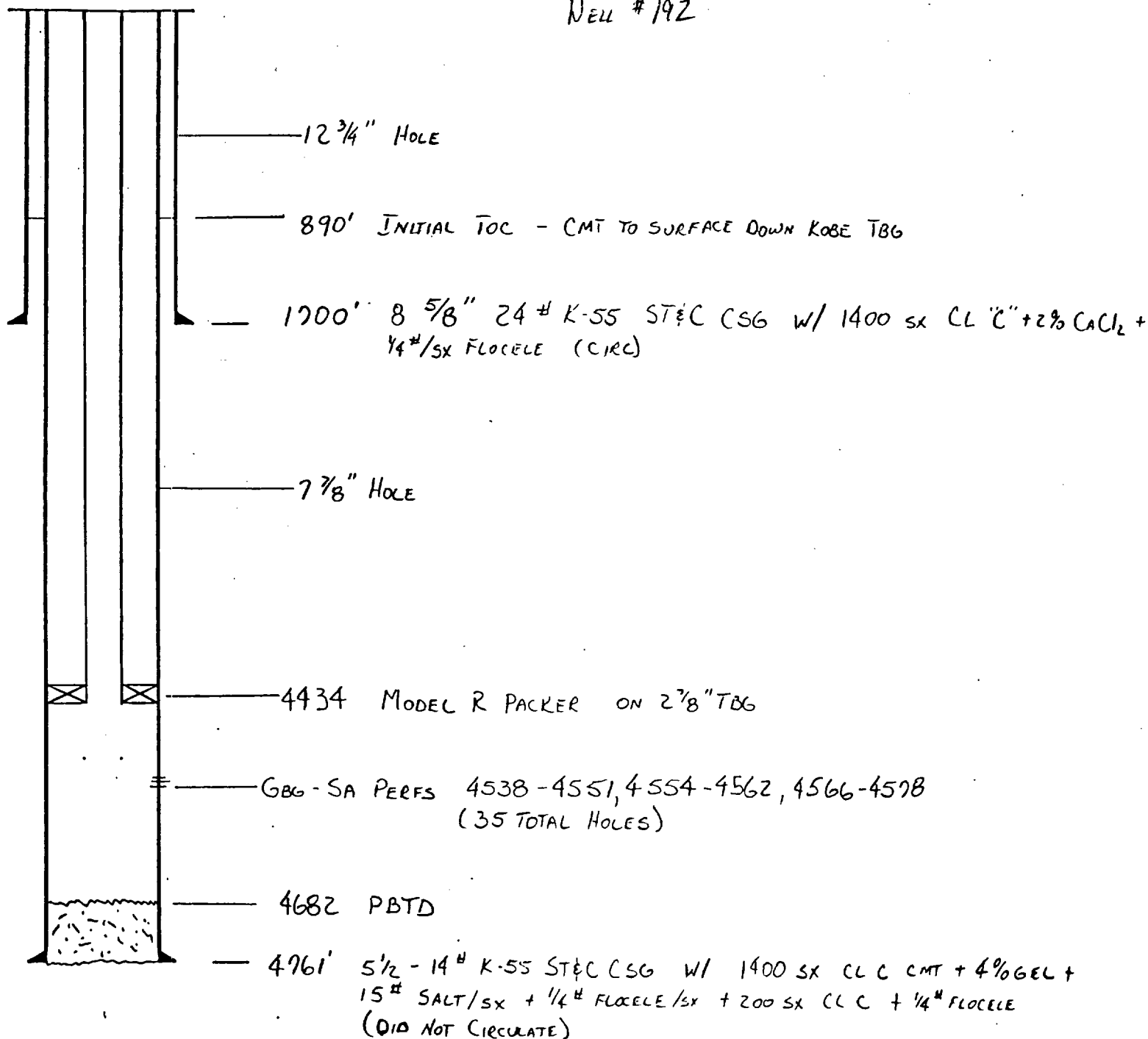
FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

LOCATION H-23 T-17S R-34E COUNTY LEA STATE NEW MEXICO
2630 FNL, 1310 FEL SIGNED W L REEVES

GL 4025
DF 4037
KB 4038
ZERO 13' AGC

Well #192



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

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

10. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name
8. Farm or Lease Name
9. Well No.

2. Name of Operator
3. Address of Operator
4. Location of Well

10. Field and Pool, or Wildcat
12. County

UNIT LETTER P LOCATED 1310 FEET FROM THE 5 LINE AND 10 FEET FROM
THE E LINE OF SEC. 23 TWP. 178 RGE. 34E NMPM

15. Date Spudded 5-12-85 16. Date T.D. Reached 5-19-85 17. Date Compl. (Ready to Prod.) 4023-GR
18. Elevations (DF, RKB, RT, GR, etc.)
19. Elev. Casinghead

20. Total Depth 4800 21. Plug Back T.D. 4760 22. If Multiple Compl., How Many
23. Intervals Drilled By
24. Producing Interval(s), of this completion - Top, Bottom, Name
25. Was Directional Survey Made

26. Type Electric and Other Logs Run
27. Was Well Cored

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	COND PIPE	35	20"	DRIVEN	
8 5/8	24#	1720	12 1/4	1400 x C (CIRC)	
5 1/2	14#	4860	7 7/8	1030 x C (CIRC)	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	4418	4448

31. Perforation Record (Interval, size and number)
4514-23, 25-30, 33-39, 46-52, 54-70 w/ 15SPF + 47 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL
AMOUNT AND KIND MATERIAL USED

33. PRODUCTION
Date First Production
Production Method (Flowing, gas lift, pumping - Size and type pump)
Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Test Witnessed By

35. List of Attachments

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 _____

INSTRUCTIONS

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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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet

No. 2, from to feet

No. 3, from to feet

No. 4, from to feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

LOCATION: S-23
T-17S
R-34E

WELL # 199

KB: 4036'

GL: 4023'

SPUD DATE: 5/12/85

13 3/8"
CMT CIRC

35'

8 5/8"
24#, K55
1400 SX
CLASS C
CIRC.

1720'



LYNES ECP PKR
4245'

SAN ANDRES PERFS

4514' - 4570'

47 HOLES

5 1/2"
14#, K55
1130 SX CLASS
C W/100 SCFN₂
PER EBL

4800'

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. OF COPIES RECEIVED	
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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease State ☒ Fee ☐
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name <i>North Vacuum Abo Unit</i>
9. Well No. <i>213</i>
10. Field and Pool, or Wildcat <i>Vacuum, North-Abo</i>
12. County <i>Lea</i>

1a. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER <i>WIW</i>
b. TYPE OF COMPLETION NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER
2. Name of Operator <i>MOBIL PRODUCING TX & N.M., Inc</i>
3. Address of Operator <i>Box 633 Midland, TX 79702</i>
4. Location of Well UNIT LETTER <i>N</i> LOCATED <i>460</i> FEET FROM THE <i>S</i> LINE AND <i>1980</i> FEET FROM

THE <i>N</i> LINE OF SEC. <i>23</i> TWP. <i>17S</i> RGE. <i>34E</i> NMPM	15. Date Spudded <i>12-19-71</i>	16. Date T.D. Reached <i>1-9-72</i>	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.) <i>4028 GL</i>	19. Elev. Casinghead
20. Total Depth <i>8800</i>	21. Plug Back T.D. <i>8752</i>	22. If Multiple Compl., How Many	23. Intervals Drilled By <i>Rotary Tools</i>	Cable Tools	24. Producing Interval(s), of this completion - Top, Bottom, Name <i>8509-8564 Vacuum Abo North</i>
25. Type Electric and Other Logs Run					25. Was Directional Survey Made
26. Type Electric and Other Logs Run					27. Was Well Cored

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>12 3/4"</i>	<i>34*</i>	<i>278</i>	<i>17 1/2</i>	<i>450 x</i>	
<i>8 5/8"</i>	<i>28*</i>	<i>3035</i>	<i>11</i>	<i>1400 x</i>	
<i>5 1/2"</i>	<i>17*</i>	<i>8800</i>	<i>7 7/8</i>	<i>2300 x</i>	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					<i>2 3/8</i>	<i>8483</i>	<i>8467</i>

31. Perforation Record (Interval, size and number) <i>8509, 15, 16, 19, 24, 29, 30, 34, 42, 44, 49, 54, 59, 62, & 8564 1/2 JSF & 30 holes</i> <i>8514, 17, 23, 25, 31, 35, 50, 53, 55, 60, 61, 63, 65 JSF & 13 holes</i>	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
--	---

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	

35. List of Attachments
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 _____

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 3a) through 3d) shall be reported for each zone. The form is to be filed in quadruplicate 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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

No. 5, from.....to.....

No. 6, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet. _____

No. 2, from _____ to _____ feet. _____

No. 3, from _____ to _____ feet. _____

No. 4, from _____ to _____ feet. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

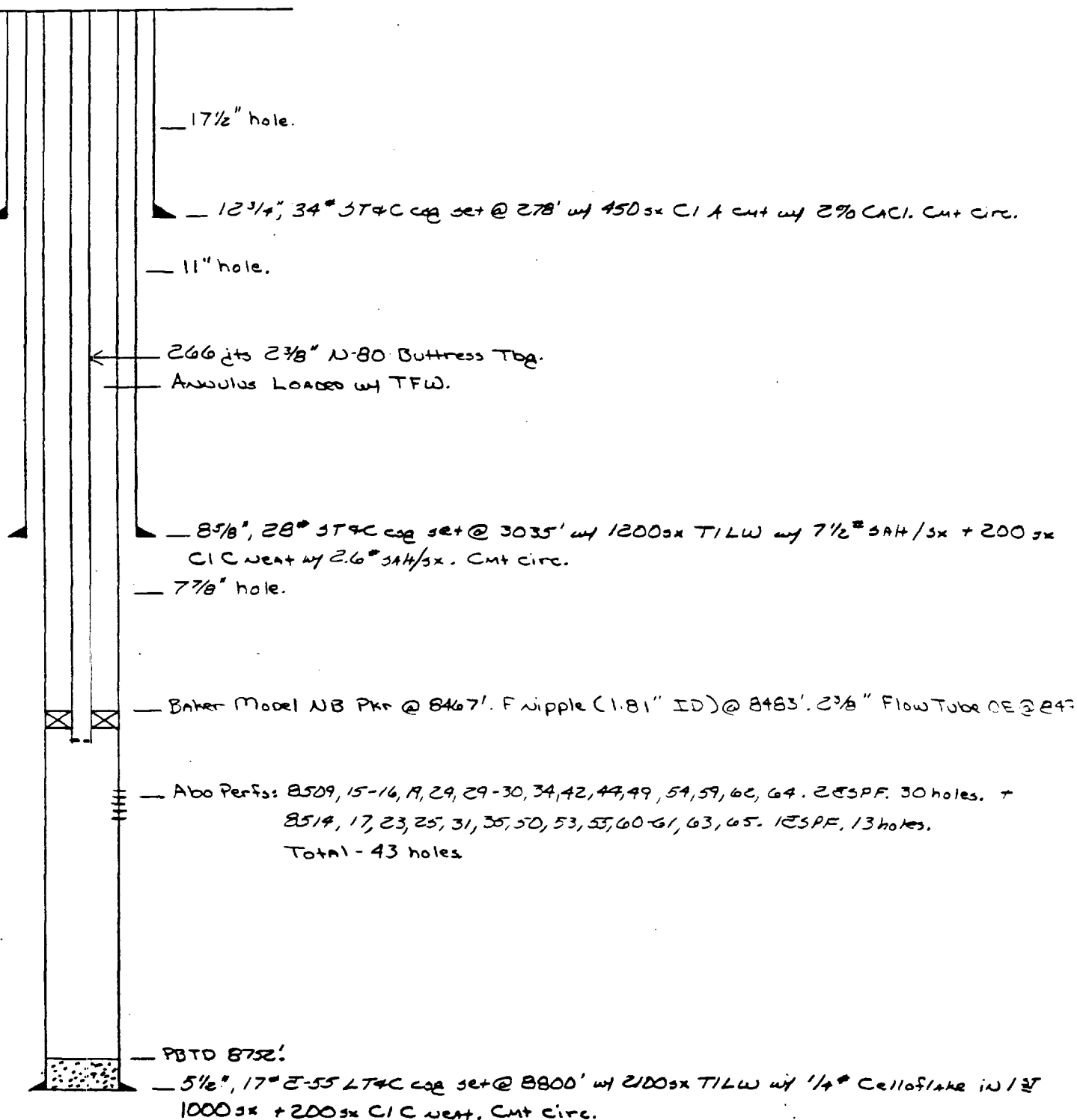
DATE 4-4-83 WELL NO. 213 LEASE NO. VACUUM AD. UNIT FIELD VACUUM AD. UNIT

LOCATION N-23-175-34E

460' FSL AND 1980' FWL
Lea County, New Mexico

SIGNED M. W. DEER

G.L. 4028'
D.F. 4042'
K.B. 4044'
ZERO 16' AGL



TD 8800'

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OPERATOR	

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

Form C-105
Revised 11-1-84

5a. Indicate Type of Lease State ☒ ☐
5. State Oil & Gas Lease No. B-1520
7. Unit Agreement Name North Vacuum Abo Unit
8. Form or Lease Name
9. Well No. 234
10. Field and Pool, or Wildcat Vacuum Abo, North
12. County Lea

1a. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
2. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐
2. Name of Operator Mobil Producing TX. & N.M. Inc.
3. Address of Operator Nine Greenway Plaza, Suite 2700, Houston, Texas 77046
4. Location of Well UNIT LETTER <u>I</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>545</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>23</u> TWP. <u>17S</u> RGE. <u>34E</u> NMPM

15. Date Spudded 11/17/83	16. Date T.D. Reached 12/13/83	17. Date Compl. (Ready to Prod.) 02/02/84	18. Elevations (DF, RKB, RT, GR, etc.) 4024 GR	19. Elev. Casinghead 4024 GR
20. Total Depth 8700	21. Plug Back T.D. 8680	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-8700	Cable Tools
24. Producing Interval(s), of this completion - Top, Bottom, Name 8470-8622 Abo				25. Was Directional Survey Made No
26. Type Electric and Other Logs Run Dual Spaced Neutron, Compensated Acoustic Velocity, Dual Induction Guard				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#	400	17-1/2	400x C	
8-5/8	32#	5000	12-1/4	5100x C	
			7-7/8		

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
5-1/2	4174	8699	1325		2-7/8	OPMA @ 8670	SN @ 8634

31. Perforation Record (Interval, size and number) Perf w/1JSPF @ 8576-79, 8590-94, 8599-8602, 8604-06, 8608-10, 8619-22 (23 holes) Perf w/1JSPF @ 8470-72, 8479-81, 8484-88, 8496-8505, 8510-13, 8519-21, 8523-27 (33 holes)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
				DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
				8675-8622	Acidize w/5600 gals 15% NEA
					Fe
				8470-8527	Acidize w/6600 gals 15% NEA
					Fe

33. PRODUCTION							
Date First Production 02/02/84		Production Method (Flowing, gas lift, pumping - Size and type pump) 2-1/2 x 1-3/4 x 24 pump				Well Status (Prod. or Shut-in) Producing	
Date of Test 02/14/84	Hours Tested 24	Choke Size	Prod'n. For Test Period	Oil - Bbl. 166	Gas - MCF 143	Water - Bbl. 94	Gas - Oil Ratio 860
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.) Sold	Test Witnessed By T. J. Auld
--	---------------------------------

35. List of Attachments Form C-104, Logs, Record of Inclination
--

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>Paula W. Collins</u>	TITLE <u>Authorized Agent</u>	DATE <u>02/22/84</u>

DATE 3-23-84 WELL 1.234 LEASE No. Vacuum At FIELD VACUUM Abo North

LOCATION I-23-172-34E
545' FEL + 1980' FSL
Lea County, New Mexico

SIGNED MLW DEER

G.L. 4024'
D.F. 4035'
K.B. 4036'
ZERO 12' AGL

— 17 1/2" hole.

— 13 3/8" 48" H40 ST+C csg set @ 400' w/ 400 sx C/C w/ 290 CaCl₂ + 1/4" FC/sx.
Cmt Circ.

— 12 1/4" hole.

— TOL @ 4174'.

— 8 5/8", 32" 580 ST+C csg (13 jts) + 8 5/8", 32" 555 ST+C csg (22 jts) + 8 5/8", 32" 455 ST+C (8 jts) set @ 5000' w/ 3900 sx C/C w/ 4" gel + 15" salt/sx + 5" Bi/somite/sx + 1/4" F + 200 sx C/C w/ 290 CaCl₂ + 1/4" FC/sx. Did not circ. TOL by TS @ 1635'. Circ cmt + surf behind 8 5/8" csg w/ 1" w/ 1000 sx C/C vent cmt.

— 7 7/8" hole.

← 31' x 2 7/8" OPMA (8639-8670) + 2 7/8" x 4' + bg perf (8635-8639) + 3N (8634) + 10 jts 2 7/8" 555 + bg + 5 1/2" x 2 7/8" Guide TAC (8317-14,000" T) + 275 jts 2 7/8" 555 + bg

— Abo Perfs: 8576, 79, 90-94, 99-8602, 04-06, 08-10, 19-22, 185PF, 23 holes. +
8470-72, 79-81, 84-88, 96-8505, 10-13, 19-21, 23-27, 185PF. 33 holes.
Total—56 holes.

— PBTD 8680'.

TD 8700'

— 5 1/2", 17" N80 LT+C csg (38 jts) + 5 1/2", 15.5" 455 ST+C csg (6 jts) set w/ BOT MOD LH w/ 6' tieback sleeve (TOL @ 4174') w/ 1125 sx C/H 490 gel w/ .3 of 1% H₂O₂ + 1/4" FC/sx + 200 sx C/H cmt w/ .3 of 1% H₂O₂ + 1/4" FC/sx. Cmt Circ to TOL

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease State ☒ Fee ☐
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name <i>North Vacuum Abo</i>
9. Well No. <i>237</i>
10. Field and Pool, or Wildcat <i>Vacuum, North-Abo</i>
12. County <i>Lea</i>

1a. 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 <i>MOBIL PRODUCING TX & N.M., INC</i>
3. Address of Operator <i>Box 633 MIDLAND, TX 79702</i>
4. Location of Well

UNIT LETTER <i>A</i> LOCATED <i>530</i> FEET FROM THE <i>N</i> LINE AND <i>660</i> FEET FROM
THE <i>E</i> LINE OF SEC. <i>26</i> TWP. <i>17N</i> RGE. <i>34E</i> NMPM

15. Date Spudded <i>10-22-83</i>	16. Date T.D. Reached <i>11-12-83</i>	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.) <i>4017 GR</i>	19. Elev. Casinghead
20. Total Depth <i>8700</i>	21. Plug Back T.D. <i>8645</i>	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools ☒ Cable Tools ☐	24. Producing Interval(s), of this completion - Top, Bottom, Name <i>8425-8584 Abo</i>
26. Type Electric and Other Logs Run				27. Was Well Cored

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>13 3/8</i>	<i>54.5 + 48*</i>	<i>405</i>	<i>17 1/2</i>	<i>400x C</i>	
<i>8 5/8</i>	<i>32*</i>	<i>4918</i>	<i>12 1/4</i>	<i>3825x C</i>	
			<i>7 7/8</i>		

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
<i>5 1/2</i>	<i>4182</i>	<i>8699</i>	<i>1200x H</i>		<i>2 7/8</i>	<i>OPMA @ 8623</i>	<i>SN @ 8588</i>

31. Perforation Record (Interval, size and number) <i>8540-43, 49-52, 62-65, 71-73, 8576-84</i> <i>1 JSF + 24 holes</i> <i>8425-30, 60-62, 8482-91</i> <i>1 JSF - 19 holes</i>	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
--	---

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
--	-------------------

35. List of Attachments

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 _____

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 quadruplicate 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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	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 _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

No. 5, from.....to.....

No. 6, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet

No. 2, from to feet

No. 3, from to feet

No. 4, from to feet

FORMATION RECORD (Attach additional sheets if necessary)

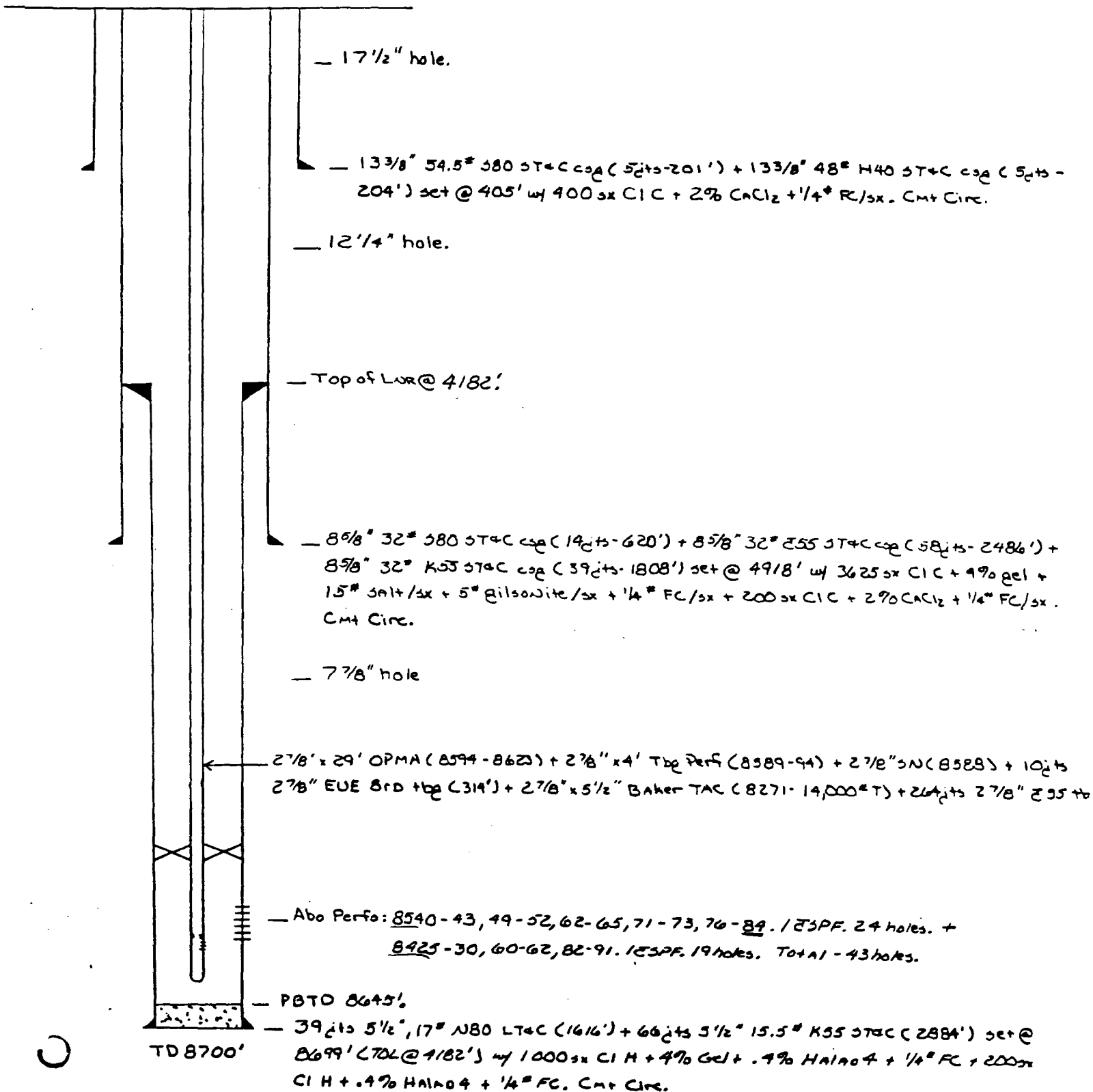
From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

DATE 3-23-84 WELL J. 237 LEASE No. Vacuum Unit Field Vacuum Abo North

LOCATION A-26-T175-R34E
530' FNL + 660' FEL
Lea Co., New Mexico

SIGNED M. W. DEER

G.L. 4026'
D.F. 4035'
K.B. 4036'
ZERO 10' AGL



OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER RAA

b. TYPE OF COMPLETION

NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

2. Name of Operator

MOBIL PRODUCING TX & N.M., INC

3. Address of Operator

Box 633 MIDLAND, TX 79702

4. Location of Well

UNIT LETTER M LOCATED 780 FEET FROM THE W LINE AND 660 FEET FROM

THE S LINE OF SEC. 24 TWP. 17S RGE. 34E NMPM

15. Date Spudded

9-19-83

16. Date T.D. Reached

10-8-83

17. Date Compl. (Ready to Prod.)

18. Elevations (DF, RKB, RT, GR, etc.)

N/A

19. Elev. Casinghead

20. Total Depth

5000

21. Plug Back T.D.

-

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

NONE

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>13 3/8</u>	<u>54.5 #</u>	<u>410</u>	<u>17 1/2</u>	<u>425 x C (Circ)</u>	
<u>8 5/8</u>	<u>32 #</u>	<u>5000</u>	<u>12 1/4</u>	<u>2308 x (Circ)</u>	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
<u>-</u>		

31. Perforation Record (Interval, size and number)

NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production _____ Production Method (Flowing, gas lift, pumping - Size and type pump) _____ Well Status (Prod. or Shut-in) _____

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

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 _____

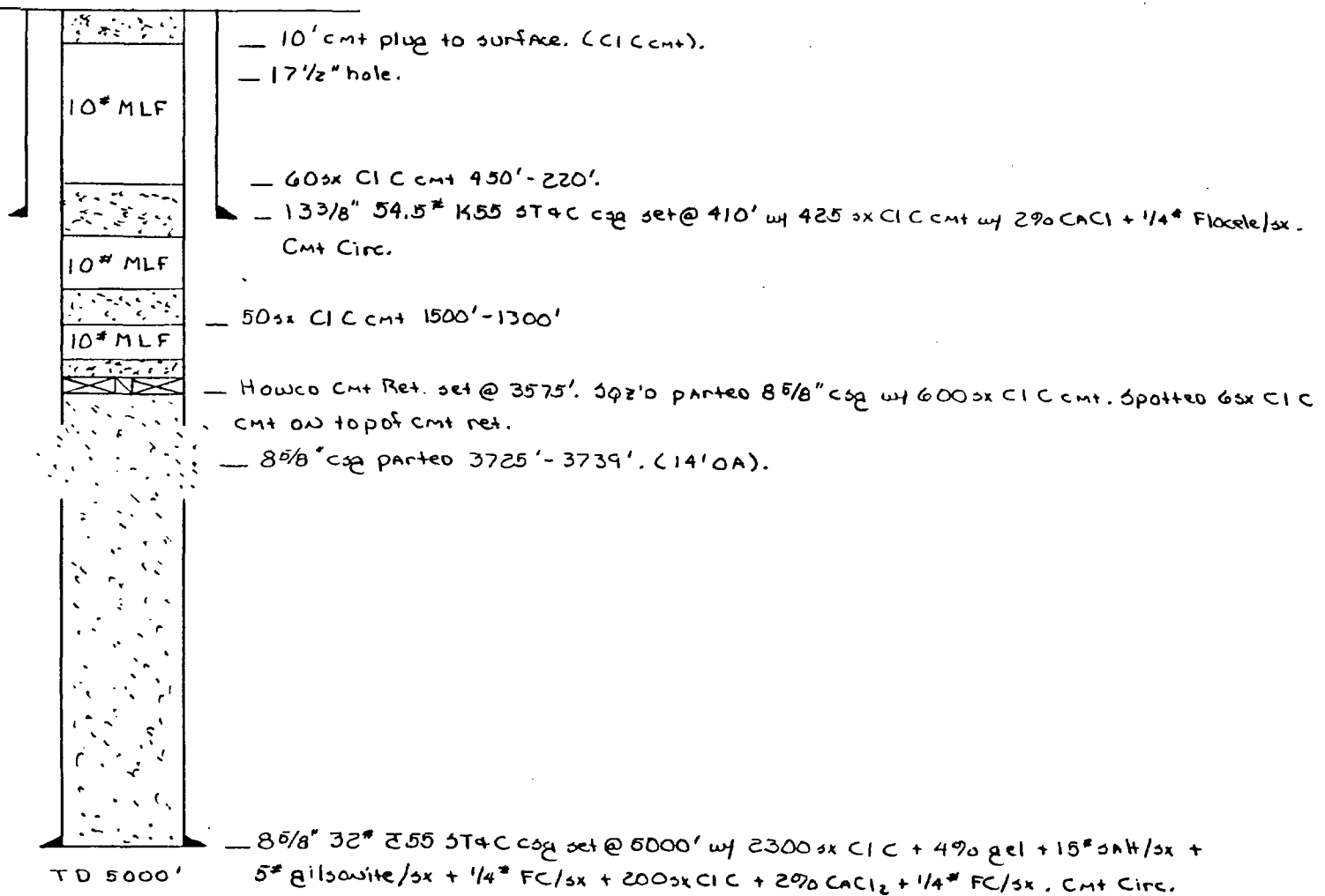
DATE _____

DATE 3-23-84 WELL NO. 238 LEASE No. Vacuum Abo Unit FIELD Vacuum Abo North

LOCATION M-24-T175-R34E
780' FWL & 660' FSL
Lea Co., New Mexico

SIGNED M. W. DEER

G.L. N/A
D.F. N/A
K.B. N/A
ZERO N/A



OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. 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	
MOBILE PRODUCING TX & N.M., INC.	
3. Address of Operator	
Box 633 MIDLAND, TX 79702	
4. Location of Well	
UNIT LETTER <u>M</u> LOCATED <u>643</u> FEET FROM THE <u>S</u> LINE AND <u>780</u> FEET FROM	
THE <u>W</u> LINE OF SEC. <u>24</u> TWP. <u>17S</u> RGE. <u>34E</u> NMPM	

7. Unit Agreement Name
8. Farm or Lease Name
NORTH VACUUM Abo UNIT
9. Well No.
238A
10. Field and Pool, or Wildcat
VACUUM Abo NORTH
12. County

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
10-9-83	11-4-83		4014 - GR	
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
8700	8651			Cable Tools
24. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Directional Survey Made
8459 - 8536 Abo				
26. Type Electric and Other Logs Run				27. Was Well Cored

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	400	17 1/2	400x C	
8 5/8	32	5000	12 1/4	3300x C	
			7 7/8		

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
5 1/2	4203	8700	1200x H		2 7/8	OPMA @ 8629	SN @ 8594

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
W/ 13SPF 8530-36 8459-64, 67-79 (19 holes TOTAL)	DEPTH INTERVAL
	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	

35. List of Attachments

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.

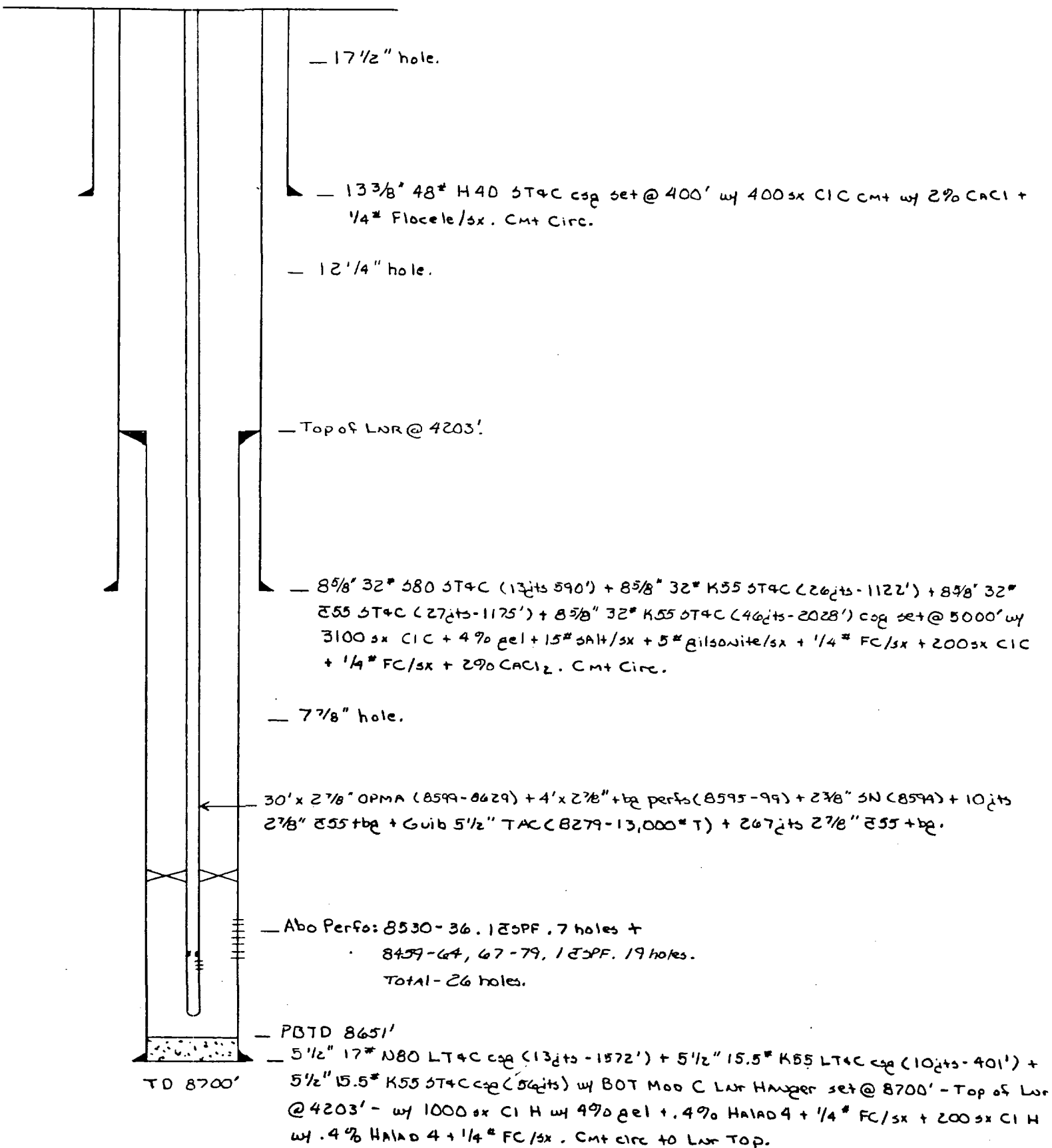
SIGNED _____ TITLE _____ DATE _____

DATE 3-23-84 WELL NO. 238-A LEASE No. VACUUM Abo Unit FIELD VACUUM Abo North

LOCATION M-24-T175-R34E
780' FWL + 643' FOL
Lea Co., New Mexico

SIGNED MWD DEER

G.L. 4000'
D.F. 4009'
K.B. 4010'
ZERO 10' AGL



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Yun North Vacuum Cobo

9. Well No.
242

10. Field and Pool, or Wildcat
Vacuum, North-Cobo

12. County
Lea

1a. 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
MOBILE PRODUCING TX & N.M., INC

3. Address of Operator
Box 633 MIDLAND, TX 79702

4. Location of Well

UNIT LETTER *G* LOCATED *1809* FEET FROM THE *N* LINE AND *1890* FEET FROM

THE *E* LINE OF SEC. *26* TWP. *17S* RGE. *34E* NMPM

15. Date Spudded *6-6-84* 16. Date T.D. Reached *6-29-84* 17. Date Compl. (Ready to Prod.) 18. Elevations (DF, RKB, RT, GR, etc.) *4019 GR* 19. Elev. Casinghead

20. Total Depth *8700* 21. Plug Back T.D. *8655* 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
8472 - 8608 Abo

25. Was Directional Survey Made

26. Type Electric and Other Logs Run 27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>13 3/8</i>	<i>48#</i>	<i>400</i>	<i>17 1/2</i>	<i>400x C (CIRC)</i>	
<i>8 5/8</i>	<i>32#</i>	<i>5000</i>	<i>12 1/4</i>	<i>3700x C (CIRC)</i>	
			<i>7 7/8</i>		

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
<i>5 1/2</i>	<i>4186</i>	<i>8699</i>	<i>1030</i>		<i>2 7/8</i>	<i>OPMA @ 8650</i>	<i>SN @ 8615</i>

31. Perforation Record (Interval, size and number)
8564-67, 8600-08 - 15SPF + 13 holes
8472-75, 88-94, 8503-06, 8510-14
15SPF + 20 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

33. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

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

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 triplicate 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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	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 _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 4, from.....to.....
No. 2, from.....to..... No. 5, from.....to.....
No. 3, from.....to..... No. 6, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet _____

No. 2, from _____ to _____ feet _____

No. 3, from _____ to _____ feet _____

No. 4, from _____ to _____ feet _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

DATE 11-27-84 WELL NO. 242 LEASE North 1' uum FIELD Vacuum Abo
Abo Ur. North
LOCATION 1809'FNL & 1890'FEL SIGNED R.W. Petty G.L. 4019'
Sec. 26, T17S, R34E D.F. NA
Lea County, New Mexico K.B. NA
ZERO 16' AGL

— 17½" hole

— 13⅜", 48#, H40, STFC set @ 400' w/ 400 sk C.I.C cmt,
2% CaCl₂, ¼ #/sk FC. Circ 100 sk cmt.

— 12¼" hole

— TOL @ 4186'

— 8⅝", 32#, S80# K55, STFC set @ 5000' w/ 3400 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 300 sk cmt.

— 7⅞" hole

— 2⅞" tbg: OPMA @ 8643' + 4' perf sub + 2⅞ SN + 2⅞ SN
TAC @ 8297' set w/ 15,000# Ten.

— Abo Perfs: 8564'-67', 8600'-08'. 1 JS PF. 13 holes.

8472'-75', 88'-94', 8503'-06', 10'-14'. 1 JS PF. 20 holes.

— 5½", 17# & 15.5# K55, STFC set @ 8699' w/ 730 sk C.I.H cmt, 4% gel,
PBTD 8655' .3% HA9, ¼ #/sk FC + 300 sk C.I.H cmt, .3% HA9, ¼ #/sk FC.
TD 8700'

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Form C-104
Revised 11-83

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

API #30-025-28586

6. Indicate Type of Lease
State ☒ Fee ☐
7. State Oil & Gas Lease No.
B-1520-1

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Unit A record name
North Vacuum Abo Unit

2. Name of Operator
Mobil Producing TX. & N.M. Inc.

3. Name of Lease Name

3. Address of Operator
Nine Greenway Plaza, Suite 2700, Houston, Texas 77046

4. Well No.
2431

4. Location of Well

10. Field and Pool, or Wildcat
Vacuum Abo, North

UNIT LETTER C LOCATED 657 FEET FROM THE North LINE AND 1839 FEET FROM

11. County

THE West LINE OF SEC. 26 TWP. 17S RGE. 34E

Lea

15. Date Spudded 3/10/84 16. Date T.D. Reached 3/29/84 17. Date Compl. (Ready to Prod.) 5/05/84 18. Elevations (DF, RKB, RT, GR, etc.) 4031 GR 19. Elev. Castinghead 4031 GR

20. Total Depth 8700 21. Plug Back T.D. 8695 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools 0-8700 Cable Tools

12. County

24. Producing Interval(s), of this completion - Top, Bottom, Name 8494-8672 Abo

25. Was Directional Survey Made No

26. Type Electric and Other Logs Run Dual Spaced Neutron, Compensated Acoustic Velocity, Dual Induction Guard

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#	400	17-1/2	400x C	
8-5/8	32#	5000	12-1/4	2600x C	
			7-7/8		

LINER RECORD				TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
5-1/2	4153	8699	925		2-7/8	OPMA @ 8692	SN @8674

31. Perforation Record (Interval, size and number)
Perf w/1JSPF @ 8622-25, 8646-50, 8668-72, (14 holes)
Perf w/1JSPF @ 8494-8508, 8524-28, 8531-37, 8550-52, 8554-57, 8559-66, 8574-76, (45 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
8622-8672 Acidized w/3500 gals 15% DINE Fe HCl
8494-8576 Acidized w/9000 gals 15% NEA Fe

33. PRODUCTION
Date First Production 5/05/84 Production Method (Flowing, gas lift, pumping - Size and type pump) 2 x 1-1/2 x 24 pump Well Status (Prod. or Shut-in) producing
Date of Test 5/11/84 Hours Tested 24 Choke Size Prod'n. For Test Period Oil - Bbl. 195 Gas - MCF 225 Water - Bbl. 66 Gas - Oil Ratio 1150
Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API (Corr.) 37.5 @ 60

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold Test Witnessed By T. J. Auld

35. List of Attachments
Form C-104, Logs, Record of Inclination

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 Paula A. Collins TITLE Authorized Agent DATE 5/16/84

DATE 11-27-84 WELL NO. 243 LEASE North Vacuum FIELD Vacuum Abo
Abo Unit North

LOCATION 1839' FWL & 657' FNL SIGNED R. W. Petty
Sec. 26, T17S, R34E
Lea County, New Mexico

G.L. 4000' EST
D.F. 4016' EST
K.B. 4017' EST
ZERO 17' AGL

— 17 1/2" hole

— 13 3/8", 48#, H40, STFC set @ 400' w/400 sk Cl. C cmt,
2% CaCl₂, 1/4 #/sk FC. Circ 100 sk cmt.

— 12 1/4" hole

— TOL @ 4153'

— 8 5/8", 32#, S80' K55, STFC set @ 5000' w/2300 sk Cl. C cmt,
4% gel, 15 #/sk Salt, 5 #/sk gilsonite; 1/4 #/sk FC + 300 sk Cl. C cmt,
2% CaCl₂ + 1/4 #/sk FC. Circ 375 sk cmt.

— 7 7/8" hole

— 2 7/8" tbg: OPMA @ 8692' + 4' perf sub + 2 3/8 SN + 2 7/8 SN
TAC @ 8367' set w/12,000# Ten.

— Abo Perfs: 8622'-25', 46'-50', 68'-72'. 1 JS PF. 14 holes
8494'-8508', 8524'-28', 31'-37', 50'-52', 54'-57', 59'-66'
8574'-76'. 1 JS PF. 45 holes.

— 5 1/2", 17 #/15.5#, K55, STFC set @ 8699' w/625 sk Cl. H cmt, 4% gel,
PBTD 8695' .3% HA9, 1/4 #/sk FC + 300 sk Cl. H cmt, .3% HA9, 1/4 #/sk FC.
TD 8700'

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
9. Well No.	
10. Field and Pool, or Wildcat	
12. County	

1a. 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	
3. Address of Operator	
4. Location of Well	
UNIT LETTER <u>0</u> LOCATED <u>1859</u> FEET FROM THE <u>E</u> LINE AND <u>589</u> FEET FROM	
THE <u>S</u> LINE OF SEC. <u>23</u> TWP. <u>17N</u> RGE. <u>34E</u> NMPM	

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
4-3-84	4-24-84		4028 GR	
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	24. Producing Interval(s), of this completion - Top, Bottom, Name
8700	8650			8470-8608 Abo
26. Type Electric and Other Logs Run				27. Was Directional Survey Made
28. CASING RECORD (Report all strings set in well)				27. Was Well Cored

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48#	422	17 1/2	400x C (C.R.C)	
8 5/8	32#	5000	12 1/4	2500x C (C.R.C)	
			7 7/8		

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET	
5 1/2	4175	8699	1000	2 7/8	OPMA @ 8650	SN @ 8616	

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
8544-47, 8556-61, 8582-85, 8606-08 - 15SPF 17 holes		DEPTH INTERVAL	
8470-84, 90-92, 8508-12, 14-17, 23-31 - 15SPF + 36 holes		AMOUNT AND KIND MATERIAL USED	

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
--	-------------------

35. List of Attachments

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 _____

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 triplicate 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. Anny _____	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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	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 _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisce (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

No. 5, from.....to.....

No. 6, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

DATE 11-27-84 W NO. 244 LEASE North uum FIELD Vacuum Abo
Abo Un.
 LOCATION 1859' FEL 589' FSL SIGNED R. W. Petty
Sec. 23, T17S, R34E
Lea County, New Mexico
North
G.L. 4000' EST
D.F. 4016' EST
K.B. 4017' EST
ZERO 17' AGJ

— 17½" hole

— 13⅜", 48#, H40, STFC set @ 422' w/ 400 sk Cl. C cmt,
 2% CaCl₂, ¼# sk FC. Circ 59 sk cmt.

— 12¼" hole

— TOL @ 4175'
 — 8⅝", 32#, S80# K55, STFC set @ 5000' w/ 2200 sk Cl. C cmt,
 4% gel, 15# sk Salt, 5# sk gilsonite; ¼# sk FC + 300 sk Cl. C cmt,
 2% CaCl₂ + ¼# sk FC. Circ 5 sk cmt.

— 7⅞" hole

— 2⅞" + bg: OPMA @ 8650' + 4' perf sub + 2⅞" SN + 2⅞" SN @ 8615',
 TAC @ 8296' set w/ 15,000# Ten.

— Abo Perfs: 8544'-47', 56'-61', 82'-85', 8606'-08'. 1 JS PF. 17 holes.
8470'-84', 90'-92', 8508'-12', 14'-17', 23'-31'. 1 JS PF. 36 hole

— 5½", 17# 15.5# K55, STFC set @ 8699' w/ 700 sk Cl. H cmt, 4% gel,
 .3% HA9, ¼# sk FC + 300 sk Cl. H cmt, .3% HA9, ¼# sk FC.
 PBD 8650'
 TD 8700'

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

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State of Lease No.
B-1040

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FILE
U.S.G.S.
LAND OFFICE
OPERATOR

10. 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 Producing TX. & N.M. Inc.

3. Address of Operator
Nine Greenway Plaza, Suite 2700, Houston, Texas 77046

4. Location of Well
UNIT LETTER K LOCATED 1932 FEET FROM THE South LINE AND 2155 FEET FROM

THE West LINE OF SEC. 23 TWP. 17S RGE. 34E NMPM
12. County
Lea

15. Date Spudded 04/30/84 16. Date T.D. Reached 05/21/84 17. Date Compl. (Ready to Prod.) 06/06/84 18. Elevations (DF, RKB, RT, GR, etc.) 4027 GR 19. Elev. Casinghead 4027 GR

20. Total Depth 8711 21. Plug Back T.D. 8705 22. If Multiple Compl., How Many 0-8711 23. Intervals Drilled By Rotary Tools 0-8711 Cable Tools 0-8711

24. Producing Interval(s), of this completion - Top, Bottom, Name
8549-8684 Abo 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run
Dual Spaced Neutron, Dual Induction Guard, Compensated Acoustic Velocity 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#	402	17-1/2	400x C (528 cu.ft.)	
8-5/8	32#	5000	12-1/4	3000x C (5472 cu.ft.)	
			1-7/8		

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5-1/2	4185	8710	1050	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8	OPMA @ 8686	SN @ 8686

31. Perforation Record (Interval, size and number)
Perf w/1JSPF @ 8549-51, 8576-78, 8581-84, 8595-98, 8627-29, 8655-57, 8681-84 (24 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8549-8684	Acidized w/6600 gals 15% DINE Fe HCl

33. PRODUCTION

Date First Production 06/07/84 Production Method (Flowing, gas lift, pumping - Size and type pump) 2 x 1-1/4 x 24 pump Well Status (Prod. or Shut-in) Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
06/13/84	24			58	57	4	985

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.) sold Test Witnessed By T. J. Auld

35. List of Attachments
C-104, Logs, Record of Inclination

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 Paula W. Collins AUTHORIZED AGENT DATE 06/15/84

DATE 11-27-84 WE° NO. 245 LEASE North V uum FIELD Vacuum Abo
Abo Un. North

LOCATION 2174'FWL & 1930'FSL
Sec. 23, T17S, R34E
Lea County, New Mexico

SIGNED R.W. Petty

G.L. 4027'
D.F. NA
K.B. 4042'
ZERO 15'AGL

— 17½" hole

— 13⅜", 48#, H40, STFC set @ 402' w/400 sk Cl. C cmt,
2% CaCl₂, ¼#_{sk} FC. Circ 30 sk cmt.

— 12¼" hole

— TOL @ 4185'

— 8⅝", 32#, S80#K55, STFC set @ 5000' w/2100 sk Cl. C cmt,
4% gel, 15#_{sk} Salt, 5#_{sk} gilsonite; ¼#_{sk} FC + 300 sk Cl. C cmt,
2% CaCl₂ + ¼#_{sk} FC. Did not circ. TOC @ 965' temp surv. Cmt + 96
to surface w/1" w/600 sk Cl. C neat cmt.

— 7⅞" hole

— 2⅞" +bg: OPMA @ 8703' + 4'perf sub + 2⅞" SN + 2⅞" SN @ 8686'
TAC @ 8475' set w/14000# Ten.

— Abo Perfs: 8549-51, 76-78, 81-84, 95-98, 8627-29, 55-57'
8681-84. 1JSPF. 24 holes.

— 5½", 17# & 15.5# K55, STFC set @ 8710' w/750 sk Cl. H cmt, 4% gel,
.3% HA9, ¼#_{sk} FC + 300 sk Cl. H cmt, .3% HA9, ¼#_{sk} FC.
PB TD 8705'
TD 8711'

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2688

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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OPERATOR	

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

1a. TYPE OF WELL						7. Unit Agreement Name					
b. TYPE OF COMPLETION						8. Farm or Lease Name					
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐						BRIDGES STATE					
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐						9. Well No.					
2. Name of Operator						10. Field and Pool, or Wildcat					
MOBIL PRODUCING TX & N.M., Inc						ANDRES					
3. Address of Operator						VACUUM GRAYBURG SAN					
Box 633 MIDLAND, TX 79702											
4. Location of Well						12. County					
UNIT LETTER <u>P</u> LOCATED <u>1300</u> FEET FROM THE <u>S</u> LINE AND <u>1300</u> FEET FROM											
THE <u>E</u> LINE OF SEC. <u>23</u> TWP. <u>17S</u> RGE. <u>34E</u> NMPM											
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF, RKB, RT, GR, etc.)		19. Elev. Casinghead			
5-31-85		6-8-85				4058-6L					
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By		Rotary Tools Cable Tools			
4800		4754									
24. Producing Interval(s), of this completion - Top, Bottom, Name								25. Was Directional Survey Made			
4533 - 4586 SAN ANTONIO											
26. Type Electric and Other Logs Run								27. Was Well Cored			
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		COND. PIPE		35		13 3/8		DRIVEN			
8 5/8		24		1700		12 1/4		1250 x C (CIRC)			
5 1/2		14		4800		7 7/8		1430 x C (CIRC)			
29. LINER RECORD										30. TUBING RECORD	
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE	
										27/8	
										4340	
31. Perforation Record (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
4533-54, 60-70, 83-86 w/ 155PF + 37 holes						DEPTH INTERVAL					
						AMOUNT AND KIND MATERIAL USED					
33. PRODUCTION											
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)						Well Status (Prod. or Shut-in)			
Date of Test		Hours Tested		Choke Size		Prod'n. For Test Period		Oil - Bbl.		Gas - MCF	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)								Test Witnessed By			
35. List of Attachments											
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			

LOCATION: S-23
T-17S
R-34E

KB: 4063'

GL: 4050'

SPUD DATE: 5/31/85

13 3/8"
CMT CIRC

35'

8 5/8"
24#, K 55
1250 SX
CLASS C
CIRC.

1700'



LYNES ECP
4340'

SAN ANDRES PERFS
4533' - 4586'
37 HOLES

100000

5 1/2"
14#, K 55
1430' SX
CLASS C
+ N₂

100SX THIXOTROPIC
DOWN ANNULUS

4800'

VI. Tabulation of All Wells Drilled Within Area of Review

Wells Drilled by Amerada Hess, recently purchased by Mobil
Producing TX & NM, Inc.

Wells in SW/4 of Section 23, T-17-S, R-34-E, Lea County, NM

<u>Well No.</u>	<u>Unit Letter</u>	<u>Type Well</u>	<u>Date Drilled</u>	<u>Depth Drilled</u>	<u>Completion Formation</u>	<u>Completion Interval</u>	<u>Current Status</u>
1	N	P&A	04-06-38	4740'	San Andres	4317-4740 OH	P&A
3W	K	P&A	08-06-38	4662'	San Andres	4311-4662 OH	P&A

OIL CONSERVATION DIVISION

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OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER P & A m. 5-14-81
b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name
8. Farm or Lease Name
9. Well No.

2. Name of Operator
Comerada Hess

10. Field and Port, or Wildcat
Permian (G-SA)

3. Address of Operator
P.O. Box 840, Seminole, TX 79360

4. Location of Well
UNIT LETTER N LOCATED 660 FEET FROM THE south LINE AND 1980 FEET FROM

12. County
Lea

THE west LINE OF SEC. 23 TWP. 17S RGE. 34-E NMPM

15. Date Spudded 2-22-38 16. Date T.D. Reached 4-6-38 17. Date Compl. (Ready to Prod.) 18. Elevations (DF, RKB, RT, GR, etc.) 19. Elev. Casinghead

20. Total Depth 4740 21. Plug Back T.D. 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name P & A 25. Was Directional Survey Made

26. Type Electric and Other Logs Run 27. Was Well Cored

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>7-5/8"</u>		<u>800'</u>	<u>9-7/8"</u>	<u>300 sk circ. to surface</u>	
<u>5-1/2"</u>		<u>4317'</u>	<u>6-3/4"</u>	<u>200 sk circ. to 2592'</u>	
<u>Open Hole</u>			<u>4-3/4"</u>		

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)
Open hole 4317 - 4740 Orig Completion
See attachment for additional perf & cement procedures.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

33. PRODUCTION
Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

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

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

Salt Water Disposal Application
Bridges State Well No. 511
Section 23, T-17-S, R-34-E
Vacuum Grayburg-San Andres Field
Lea County, New Mexico

Wells in Area of Review
Perforating & Cementing Information

Operator Comerada Ness Corporation

Well Name & Number State W "A" # 1

Operation: Repair casing leak.

Perfd csg 2878-2880', ppd 180 sk thru perfs.

Perfd csg @ 1860 ppd 550 sk thru perfs, TOC @ 1620

Perfd csg @ 995, ppd 200 sk thru perfs.

Shld out cmt, csg leak between 2639-2644'.

Perfd csg @ 2643-2645, ppd 300 sk thru perfs.

Shld out cmt, csg leak between 2637-2655, ppd 400 sk.

Perfd csg @ 2600', ppd 385 sk thru perfs.

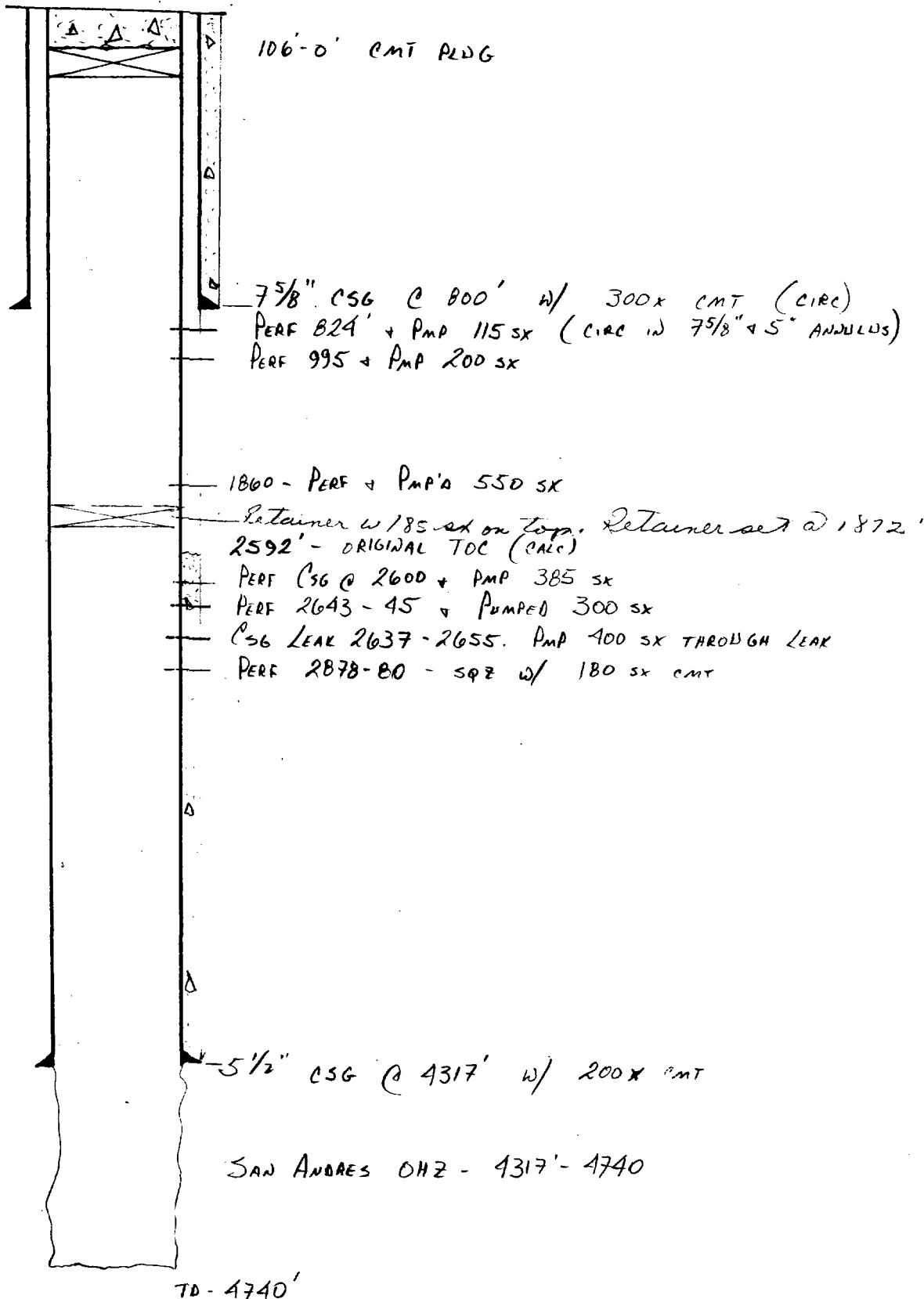
Perfd csg @ 824, fill annular space between 7-5/8" x 5-1/2" w/115 sk cmt.

DATE 4-11-86 WELL NO. 1 LEASE STATE V "A" FIELD CRBL - 5/A

LOCATION N-23-175-34E
660 FSL + 1980 FWL

SIGNED L. D. GILPIN

G.L. N/A
D.F.
K.B.
ZERO



OIL CONSERVATION DIVISION

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☐ Fee ☐

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER P & A Dec '79

b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name

8. Farm or Lease Name
State 7 "A"

9. Well No.
374

2. Name of Operator
Amorada Hess

3. Address of Operator
P.O. Box 840, Seminole, TX 79360

10. Field and Pool, or Wildcat
Permian (Y-SA)

4. Location of Well

UNIT LAYER K LOCATED 1980 FEET FROM THE SEUTL LINE AND 1980 FEET FROM

12. County
Lea

THE WEST LINE OF SEC. 23 TWP. 17-S RGE. 34-E NMPM

15. Date Spudded 6-27-38 16. Date T.D. Reached 8-6-38 17. Date Compl. (Ready to Prod.)

18. Elevations (DF, RKB, RT, GR, etc.) 19. Elev. Casinghead

20. Total Depth 4662 21. Plug Back T.D. 22. If Multiple Compl., How Many 23. Intervals Drilled By

Rotary Tools Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
P & A.

25. Was Directional Survey Made

26. Type Electric and Other Logs Run 27. Was Well Cored

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>12-1/2"</u>		<u>277'</u>	<u>17-1/2"</u>	<u>200 SK to Surface</u>	
<u>9-5/8"</u>		<u>1641'</u>	<u>12"</u>	<u>250 SK to 1044' Calculated</u>	
<u>7"</u>		<u>4311'</u>	<u>8-3/4"</u>	<u>200 SK to 3142' Calculated</u>	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)
Open Hole 4311-4662'
See attachment

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

33. PRODUCTION
Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments

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

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

Salt Water Disposal Application
Bridges State Well No. 511
Section 23, T-17-S, R-34-E
Vacuum Grayburg-San Andres Field
Lea County, New Mexico

Wells in Area of Review
Perforating & Cementing Information

Operator Amerada Hess Corporation

Well Name & Number State 7 "A" # 374

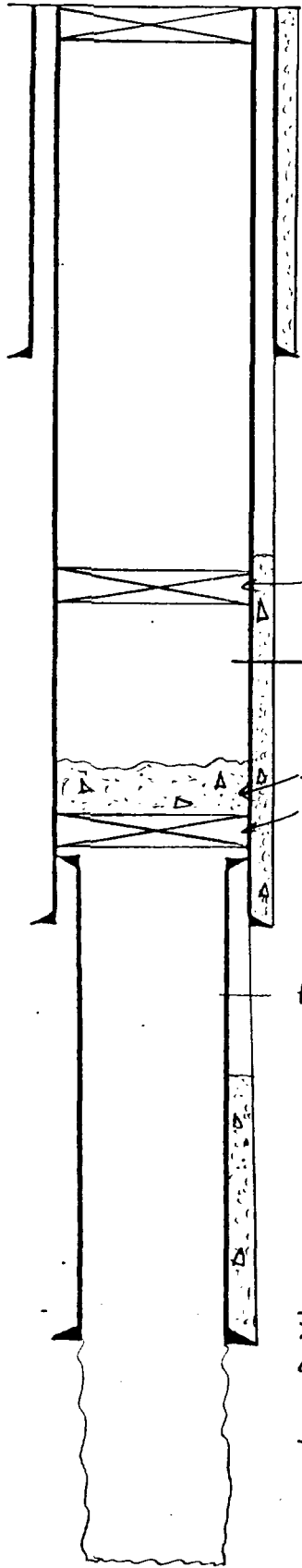
P & A Procedures:

Set retainer @ 2300', pfd 700 sk below retainer,
pfd 20 sk on top @ 2200-2300'.

Perfd @ 1660-1662', set retainer @ 1548', pfd 360
sk then perfs. 700 @ 1241', pfd 20 sk on top
of retainer @ 1448-1548'.

Perfd say @ 1193', set retainer @ 1062',
wire cmt behind 7" w/250 sk cmt.

H/MERADA HESS
DATE 4-11-86 WELL NO. 3 LEASE STATE V "A" FIELD VACUUM Chg - 5/A
LOCATION K-23-175-34E COUNTY LEA STATE N.M. GL N/A
1980 FSL + 1980' FWL SIGNED L. D. GILPIN DF _____
KB _____
ZERO _____



— 277' - 12 1/2" CSG . SET W/ 200 SX (CIRC)
17 1/2" HOLE

TDC - 1041 (CALC)

RETAINER @ 1062

PERF @ 1193 + CMT'D TO SURFACE W/ 250 X.

SPOTTED 100' PLUG OF CMT ABOVE RETAINER (1448 - 1548)

RETAINER @ 1548'

— 9 5/8" CSG @ 1641 W/ 250 SX.
12" HOLE

PERF 1660-1662 . PUMPED 360 X TDC - 1241'

TOC - 3124 (CALC)

7" CSG @ 4311 W/ 200 SX
8 5/8" HOLE

SAN ANDRES OHZ - 4311 - 4662

TD - 4662

VIII. Geological Data

1. Lithology Detail: Composition is limy dolomite, gray to light gray in color, very fine crystalline porosity and occasional vuggy porosity.

Type of structure is anticline.

Average porosity is 12%.

Average permeability is 25 Md.

2. Geological name is San Andres.
3. Thickness is average effective porosity of 250 feet.
4. Depth average to top of pay is 5050 feet.
5. Overlying fresh water zones names and depth:

Ogalalla @ 300 feet.

Santa Rosa @ 1400 feet.

There are no fresh water zones underlying the injection zone.

IX. Stimulation Program:

See attachment for stimulation program.

X. Proposed Logging Detail:

GR-DLL - Microlog from TD to 1700' (top of surface csg).

GR-CNL - FDC - Caliper from TD to 1700'.

CNL from TD to surface.

GR - Sonic - Caliper from TD to 700'.

BRIDGES STATE #511 (SWD)
VACUUM (SAN ANDRES) FIELD
LEA COUNTY, NEW MEXICO
COMPLETION PROCEDURE

Cost This Proc. = \$58M
W.I. = 100%

GENERAL

TD-5650' FS @ 5650' FC @ 5602'

<u>String</u>	<u>Wt & Grade</u>	<u>Depth</u>
Surface	13-3/8" - 48# H-40 ST&C	40'
Intermediate	9-5/8" - 36# K-55 ST&C	1700'
Production	7" - 23# K-55 ST&C	5650'

Clean out to $\pm$ 5602'. Perforate and acidize the San Andres zone. Turn well to production and put on disposal.

PROCEDURE

- 1) MIRU PU. Install BOP. RIH w/6-1/4" tooth type bit, 7" casing scraper, and 3-1/2" drill collars on 2-7/8" N-80 tubing. Clean out cement to FC @ 5602' PBDT. Circ. hole w/2% KCl. Pressure test 7" casing to 1500 psi.
- 2) RU wireline company. Run PDC log across interval. Perforate the 7" casing in the San Andres formation using a 4" casing gun and 22 gram premium charges, 180° phased, decentralized, as follows:

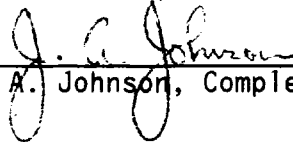
<u>Depth</u>	<u>Shots/Foot</u>	<u># of Holes</u>
5100'-5650'	2	250-300

- 3) RIH w/a 7" pkr on tbg. Spot 500 gals of 15% DINE Fe HCL acid from 5602' to 5300'. Pull pkr to 5000'. Reverse excess acid. Set pkr. Load and pressure up annulus to 1000 psi. Breakdown San Andres perfs 5100'-5650' OA (250-300 holes). Acidize with an additional 9500 gals of 15% NE Fe HCL acid down tbg at 5 BPM in 3 stages. Anticipated WHTP 4000 psi. Additives per 1000 gals acid (2 gals surfactant, 3 gals corrosion inhibitor), and brine (50# gelling agent). Pump as follows:
 - a. Pump 3000 gals 15% NE Fe HCL.
 - b. Pump 1000 gals gelled brine w/1000# graded rock salt.
 - c. Pump 3000 gals 15% NE Fe HCL.
 - d. Pump 1000 gals gelled brine w/1000# graded rock salt.
 - e. Pump 3500 gals 15% NE Fe HCL.
 - f. Flush w/2000 gals of 2% KCL.
- 4) Flow back well immediately. POH w/workstring and pkr.
- 5) RIH w/a 7" Baker model "D" packer on wireline and set at 5000' (within 100' of top perf). Please notify NMOCD 48 hours prior to setting packer.

- 6) RIH w/a Baker model "E-22" anchor seal assembly and a Baker model "FR" On-Off Sealing Connector with a 1.87" "F" profile nipple on 2-7/8" J-55 tubing. Test tubing in the hole to 5000 psi. Circulate the hole w/2% KCL with 3 drums of Champion "Cortron R2207" packer fluid mixed in fluid.
- 7) Anchor tubing into model "D" pkr w/5000#. Pressure up to 500# on annulus and monitor tubing pressure to test pkr seals. Nipple down BOP and install wellhead. Test wellhead to 5000#.
- 8) Turn to production and put on disposal.

C. G. Stoute *CGS* 4/7/86

cc: J. A. Johnson
G. H. Huff (2)
A. J. Alcott, L. D. Hobbs, J. M. Mitchell, C. G. Stoute

 *4/8/86*

J. A. Johnson, Completions Engineering Supervisor

G. H. Huff, Drilling Superintendent

A. J. Alcott, Area Operations Manager

WATER ANALYSIS REPORT

TECH SERVICE LABORATORY: Odessa, Texas Phone (915) 337-0055 & 563-0863
 RESEARCH LABORATORY: Houston, Texas Phone (713) 431-2561
 PLANT: Odessa, Texas Phone (915) 337-0055



BOX 4513
 ODESSA, TEXAS 79760

REPORT FOR Luke Gilpin DATE SAMPLED 4/7/86
 CC Skidmore DATE REPORTED 4/8/86
 CC _____ FIELD, LEASE, OR WELL as listed
 CC _____ COUNTY _____ STATE N.M.
 COMPANY Mobil Prod. Tx. & N.M., Inc. INFORMATION _____
 ADDRESS _____ DEPTH _____
 SERVICE ENGINEER Cecil Brumley SUBMITTED BY Luke

CHEMICAL ANALYSIS (AS PARTS PER MILLION)

Chemical Component	<i>Fresh water wells Sec 23+25</i> Field, Lease, or Well					
	<i>Section 23 Well X</i>	<i>Section 25 Well Y</i>				
Chloride (Cl)	200	200				
Iron (Fe)	0.2	0.1				
Total Hardness (Ca CO ₃)	140	250				
Calcium (Ca)	52	80				
Magnesium (Mg)	2.4	12.2				
Bicarbonate (HCO ₃)	12.2	19.5				
Carbonate (CO ₃)	0	0				
Sulfate (SO ₄)	35.0	52.5				
Hydrogen Sulfide (H ₂ S)	0	0				
Specific Gravity	1.000	1.000				
Density - lb./gal. TDS	340	410				
pH - Beckman [✓] Strip []	6.6	6.8				
Sodium	85	46				
Scaling Index						
CaCO ₃ @ 85F	-2.95	-1.39				
CaCO ₃ @ 160F	-2.23	-0.65				
CaSO ₄	negative	negative				

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

RECEIVED

APR 11 1986

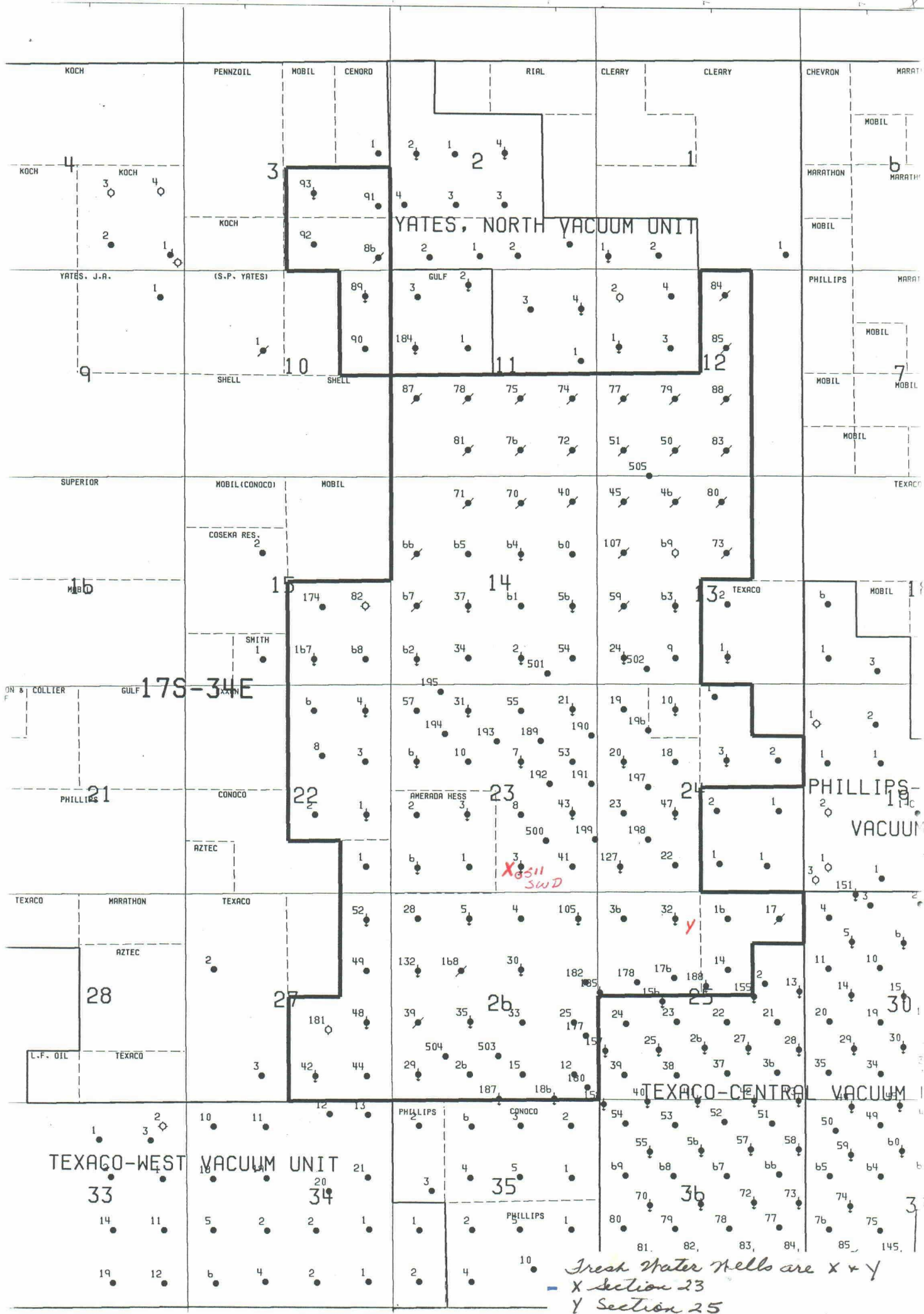
G. E. TATE

REPORTED BY

Randolph Scott

TITLE

Chemist



SALT WATER DISPOSAL APPLICATION
STATEWIDE RULE 1108
MOBIL PRODUCING TX & NM, INC.
BRIDGES STATE WELL NO. 511
LEA COUNTY, NEW MEXICO

XII. Affirmative Statement:

Mobil engineers and geologists have examined the available geological and engineering data and find no evidence of open faults or other hydrological connections between the disposal zone and any underground source of drinking water.

SALT WATER DISPOSAL APPLICATION
STATEWIDE RULE 1108
MOBIL PRODUCING TX & NM, INC.
BRIDGES STATE WELL NO. 511
LEA COUNTY, NEW MEXICO

XIV. Proof of Notice:

1. Surface Owner is State of New Mexico. Letter of notification sent by certified mail, copy attached.
2. Mobil Producing TX & NM, Inc., Applicant, is the lease holder of all leases within one-half mile of the proposed injection well.

SALT WATER DISPOSAL APPLICATION
STATEWIDE RULE 1108
MOBIL PRODUCING TX & NM, INC.
BRIDGES STATE WELL NO. 511
VACUUM GRAYBURG-SAN ANDRES FIELD
LEA COUNTY, NEW MEXICO

XIV. SURFACE OWNER LIST

New Mexico State Land Office
Post Office Box 1148
Santa Fe, New Mexico

The above surface owner was furnished a copy of Mobil's application for salt water disposal into the subject well. Notice was sent by certified mail. Proof of certification is attached.

OFFSET OPERATOR LIST

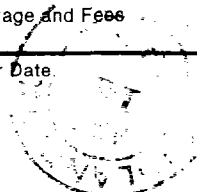
Mobil Producing TX & NM, Inc., is the only leasehold operator within one-half mile of the subject well, having recently purchased the SW/4 of Section 23, T-17-S, R-34-E from Amerada Hess Corporation.

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982
★ U.S.G.P.O. 1983-403-517

Sent to <i>New Mexico State Land Office</i>	
Street and No. <i>P.O. Box 1148</i>	
P.O., State, and ZIP Code <i>Santa Fe, N.M. 87501</i>	
Postage	\$ <i>.73</i>
Certified Fee	<i>.75</i>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	<i>.70</i>
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <i>2.18</i>
Postmark or Date 	

Mobil Producing Texas & New Mexico Inc.

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

New Mexico State Land Office
Post Office Box 1148
Santa Fe, New Mexico 87501

CERTIFIED MAIL

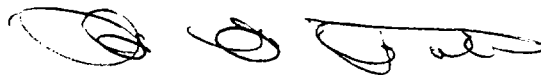
7.01
SALT WATER DISPOSAL APPLICATION
STATEWIDE RULE 1108
MOBIL PRODUCING TX & NM, INC.
BRIDGES STATE WELL NO. 511
474' FSL, 1904' FEL
SECTION 23, T-17-S, R-34-E
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing TX & NM, Inc., is applying to the New Mexico Oil Conservation Commission for authority to dispose of produced water into a reservoir productive of oil and/or gas. The subject well will be drilled for that purpose.

Statewide Rule 1108 states that the surface owner of the tract where the well is to be located must be notified of the application to inject. Attached, for your information, is a copy of the subject application.

Yours very truly,



G. E. Tate
Env. & Reg. Manager

LLMaroney/dwc

Attachment

cc: NMOCC (w/attach)

A:M609870B.LLM