

Sun Production
Operations Division
Southwestern District



January 18, 1989

**Sun Exploration and
Production Company**

No 24 Smith Road
ClayDesta Plaza
PO Box 1861
Midland TX 79702 9970
915 688 0300

State Land Office
Santa Fe, New Mexico
Attn: Floyd Prodeno

RE: Mid-American State #3
Unorthodox Recompletion
Lea County, New Mexico

Dear Mr. Prodeno:

Sun Exploration and Production Company has submitted to the New Mexico Oil Conservation an application to recomplete the referenced well to the Scharb-Bone Spring Pool. This recompletion is an unorthodox location due to the well is not located within 200 feet of the center of the quarter-quarter section. Attached is a copy of the application for your records. Below is a waiver for you to sign if you find no fault with our application.

If you have any questions concerning the above, please contact me at (915) 688-0374.

Very truly yours,

Dee Ann Kemp
Accountant

As an offset, we hereby waive any and all objections to the proposal of Sun Exploration & Production Company to recomplete their Mid-American State #3 at a location requiring approval for the unorthodox location.

OFFSET

Reviewed by Ernest Seb

BY:

G. Gayle Hawk

TITLE:

Directn O-G Division

DATE:

1-18-89

P. 03

1002088

80#

1002088

87:10 03M 68-81-NHJ
07:80 81/10

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
1367N

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Mid-American State	
2. Name of Operator Sun Exploration and Production Co.		9. Well No. 3	
3. Address of Operator P.O. Box 1861, Midland, Texas 79702		10. Field and Pool, or Wildcat Scharb-Bone Spring	
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>2</u> TWP. <u>19-S</u> R. <u>34-E</u> N.M.P.M.		12. County Lea	
19. Proposed Depth		19A. Formation Bone Spring	20. Policy or C.T.
21. Elevations (Show whether DP, RT, etc.) 3972' GR	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start ASAP

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48	540	450	Surface
12 1/4	8 5/8	32 & 24	4400	1100	Surface
7 7/8	5 1/2	20 & 17	13680	1130	8000

1. MIRU PU. NU BOP (2-7/8" RAMS). MIRU NL MCCULLOUGH. RUN 5-1/2", 20# GAUGE RING ON NO. 20 JUNK BASKET TO ±11600'. WL SET 5-1/2" (17#) CIBP @ ±11600'. PERF BONE SPRING CARBONATE SET I 10484-10518 & SET II 10184-10218, 1 JSPF, TOTAL 70 HOLES VIA GEARHART GR/CD-CNL DATED 9-7-82 USING 4" OD, 22.5 GC, 0.53" EH CSG GUN. (PERFS CORRECTED TO GEARHART GR/CBL/CCL DATED 9-3-82 ARE: SET I 10489-10523, SET II 10187-10221.)

2. TALLY IN HOLE W/5-1/2" (17#) MOD 'G' LQK-SET RBP & MOD "EA" RETRIEVAMATIC PKR W/SN ON 2-7/8", 6.5#, J-55 & L-80 PRODUCTION TBG TO ±10540. LOAD HOLE W/2% KCL FRSH WTR. DROP SV TO SN. TEST TBG TO ±5800 PSI. FISH SV. SET RBP @ ±10540. PU TS TO ±10520.

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

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

Signed Dei Ann Long Title Accountant Date 11-2-88

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Cont Procedure
Mid-American State, No.3

3. MIRU WESTERN CO. SPOT 2 BBLS 20% NEFEHCL W/ADDITIVES* ACROSS BONE SPRING SET I 10484-518 FROM 10520-10430. RAISE PKR TO ± 10350 . SET PKR W/22 PTS COMPRESSION. TRAP 500 PSI CP. ACIDIZE BONE SPRING SET I 10484-518 W/5000 GALS 20% NEFEHCL W/ADDITIVES* AT ± 5 BPM. EST WHTP 4000 PSI. MAX ALLOWABLE TREATING PRESS 5800 PSI (DOWNGRADE AS NECESSARY IF UNABLE TO HOLD 500 PSI CP). DIVERT ACID USING 53 1.1 SP GR, 7/8" RCNBS. DROP BALLS IN CLUSTERS OF 5 W/CLUSTERS SPACED EVENLY THRU-OUT ACID. FLUSH TO BTM PERF W/64 BBLS 2% NE KCL FSH WTR. RECORD ISIP, 5, 10 & 15 MIN SIP.

4. FLOW BACK L&AW AS NECESSARY. RLSE PKR, LOWER & LATCH RBP @ ± 10540 & RAISE TO ± 10260 . SET RBP. RAISE PKR TO ± 10220 . WESTERN SPOT 2 BBLS 20% NEFEHCL W/ADDITIVES* ACROSS BONE SPRING SET II 10184-10218 FROM 10220-10130. RAISE PKR TO ± 10050 . SET PKR W/22 PTS COMPRESSION. TRAP 500 PSI CP. ACIDIZE BONE SPRING SET II 10184-218 W/5000 GALS 20% NEFEHCL W/ADDITIVES* AT ± 5 BPM. EST WHTP 4000 PSI. MAX ALLOWABLE TREATING PRESS 5800 PSI (DOWNGRADE AS NECESSARY IF UNABLE TO HOLD 500 PSI CP). DIVERT ACID USING 53 1.1 SP GR, 7/8" RCNBS. DROP BALLS IN CLUSTERS OF 5 W/CLUSTERS SPACED EVENLY THRU-OUT ACID. FLUSH TO BTM PERF W/62 BBLS 2% NE KCL FRSH WTR. RECORD ISIP, 5, 10 & 15 MIN SIP.

5. FLOW/SWAB BACK L&AW. EVALUATE FLUID ENTRY RATE AND CONTENT. RLSE PKR, LOWER & LATCH RBP. RAISE PKR TO ± 10050 . SET PKR. SWAB BACK L&AW. EVALUATE PRODUCTION FROM BONE SPRING SETS I & II COMBINE. POH W/2-7/8" TBG, PKR & RBP.

6. IF WELL CAPABLE OF FLOWING, RIH W/5-1/2" x 2-7/8" OTIS PERMA-LACH BIG BORE PKR (17#) W/ON-OFF TOOL & 2.313" 'N' PROFILE & 2.205" NO-GO ON 2-7/8", 6.5#, J-55 & L-80 PROD TBG TO ± 10050 (TOP 2500' OF TBG STRING IS L-80 GRADE, PKR IS AVAILABLE AT OTIS IN HOBBS - CONTACT LARRY BELEW @ 392-7581). LOAD HOLE W/2% KCL FSH WTR (W/10 GAL/100 BBLS TRETOLITE KW-79 AND 1 GPT NE-AGENT). SET PKR W/18 PTS COMPRESSION. ND BOP. NU WH. SWAB WELL IN AND TEST TO FRAC TANK.

IF WELL PROVES PRODUCTIVE BUT REQUIRES ARTIFICIAL LIFT CONTINUE AS FOLLOWS. RIH W/BP MA, PERF SUB, SN, 13 JTS 2-7/8", J-55 TBG & TAC ON 2-7/8", 6.5#, J-55 & L-80 PRODUCTION TBG (TOP 2500' OF STRING TO BE L-80). TS ± 10570 , MA ± 10538 , PS ± 10534 , SN ± 10533 , TAC ± 10120 . RIH W/2-1/2 x 1-1/4 x 24' RHBC ROD PUMP ON 86 TAPER "KD" ROD STRING (211 - 3/4", 110 - 7/8", 101 - 1"). SPACE OUT AS NECESSARY. CHECK PUMP ACTION. RLSE RIG.

CONTACT PRODUCTION DEPT TO SET MK II-320-305-120 PUMPING UNIT W/AJAX E-42 (8-1/2" x 10") GAS ENGINE.

ADDITIVES FOR 20% NEFEHCL

2 GPT NINE-40 (NON-EMULSIFYING SURFACTANT)
1 GPT I-17 (CORROSION INHIBITOR)
2 GPT ACIGEL (FRICTION REDUCTION/FINES SUSPENSION)
10 GPT ACETIC ACID (IRON CONTROL)
10 GPT CITRIC ACID (IRON CONTROL)

R34E

R35E

<p>T 18 S</p> <p>34</p> <p>Meridian</p>	<p>35</p> <p>Mid-America N.M. State "A"</p>	<p>36</p> <p>No Operator</p>	<p>31</p>
<p>T 19 S</p> <p>3</p> <p>N.M. State "B"</p> <p>Oxyco</p>	<p>2</p> <p>N.M. State</p> <p>No Operator</p> <p>Schep "2" State</p>	<p>No Operator</p> <p>N.M. State</p> <p>Pennzoil</p> <p>#1 Dalmont</p>	<p>6</p>
<p>10</p>	<p>11</p>	<p>12</p>	<p>7</p>

Mid-American State #3
Sec. 2, T-29-S, R-34-E

LEA CO., NEW MEXICO

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

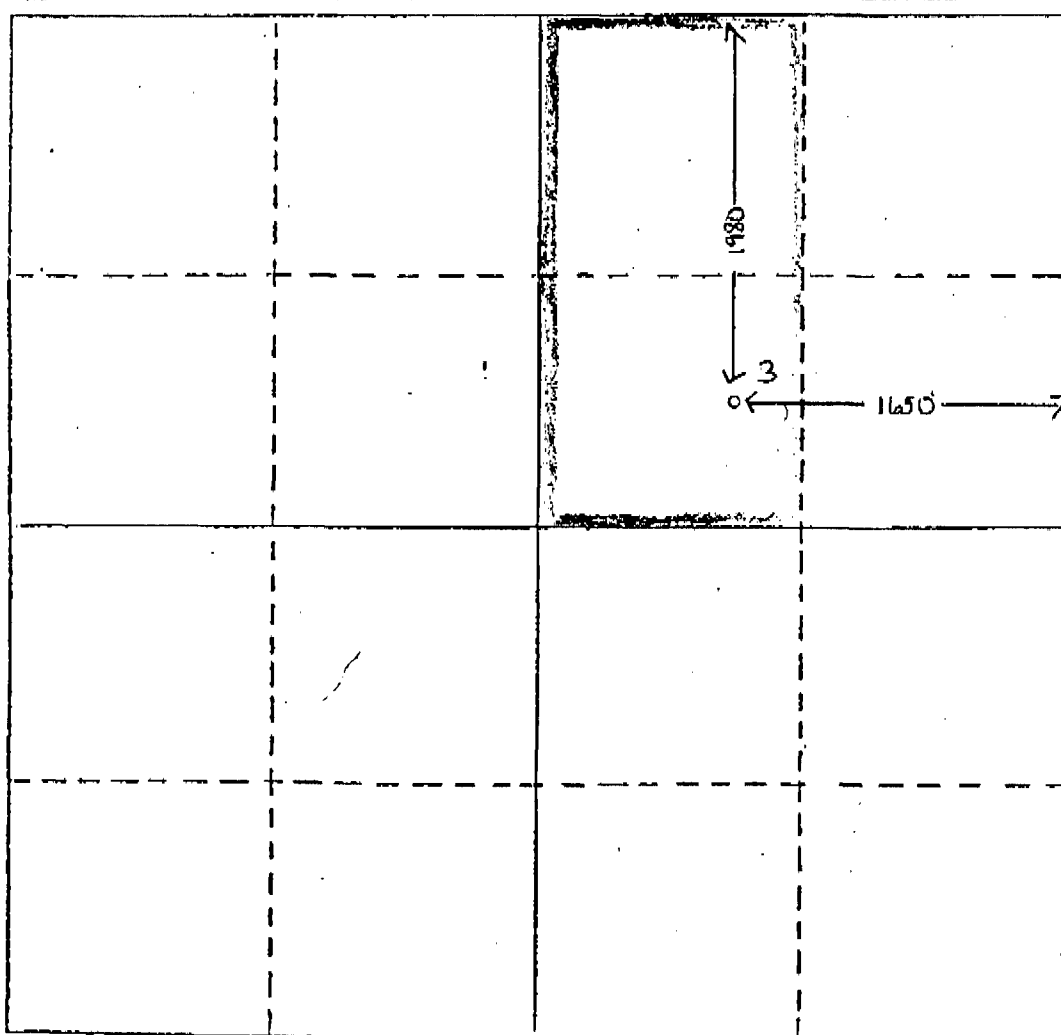
Operator Sun Exploration and Production Co.		Lease Mid-America State		Well No. 3
Unit Letter G	Section 2	Township 19-S	Range 34-E	County Lea
Actual Postage Location of Well:				
1980 feet from the North line and		1650 feet from the East line		
Ground Level Elev. 3973'	Producing Formation Bone Spring	Pool Scharb-Bone Spring	Dedicated Acreage: 80 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 well 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.

Dee Ann Kemp

Name

Dee Ann Kemp

Position

Accountant

Company

Sun Expl. & Prod. Co.

Date

10-31-88

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

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.



01/18 08:38 8302001 #01 JAN-18-89 MED 07:26 8302001 P.01

INFORMATION FROM: DEE ANN KEMP

(915) 688-0374

PLEASE HAND CARRY SIGNED WAIVER TO MIKE STOGNER IN THE NEW MEXICO OIL CONSERVATION DEPT.

6 PAGES sent including this page.



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

January 4, 1989

Sun Exploration and Production Company
P.O. Box 1861
Midland, TX 79702-9970

Attention: Dee Ann Kemp

RE: Application for an Unorthodox
Oil Well Location; Mid-
American State Well No. 3,
Recompletion to Scharb-Bone
Spring Pool, Lea County, New
Mexico.

Dear Ms. Kemp:

Please submit a copy of the well's C-101 in which you referred to in your application dated December 20, 1988. Also, submit a copy of this well's C-102, location plat, showing the appropriate dedicated acreage in the Bone Spring zone. Thank you.

Sincerely,

Michael E. Stogner
Administrative Application Reviewer

MES/ag

*11/12/89
Talked w/ Dee Ann Kemp
is contacting the State
Land Office (offert unleased
acreage to the State) for
notification purposes.*

M. S.

*Talked w/ Ms. Kemp on 1/5/89,
just indicated what my letter said
and asked for.*



*Production
for NSE*

December 20, 1988

Sun Exploration and
Production Company
No 24 Smith Road
Claydesta Plaza
PO Box 1861
Midland TX 79702 9970
915 688 0300

New Mexico Oil Conservation
310 Old Sante Fe Trail
Santa Fe, New Mexico 87504-2088

RE: Mid-American State #3
Recompletion to Scharb-Bone Spring
Lea County, New Mexico

Dear Gentlemen;

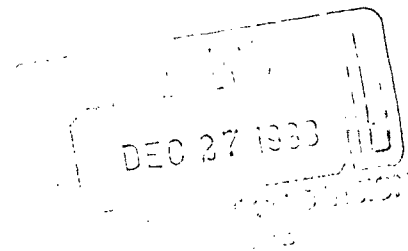
Sun Exploration and Production Company recently submitted a C-101 Form to recomplete the referenced well as an unorthodox location. You requested that the offset operators be notified. Attached is a copy of the letter sent to the offset operators and a plat showing the offset operators.

If you have any questions or need additional information please contact me at (915) 688-0374.

Very truly yours,

Dee Ann Kemp
Dee Ann Kemp
Accountant

CC: New Mexico Oil Conservation - Hobbs



Offset Operators
Mid-American State Lease

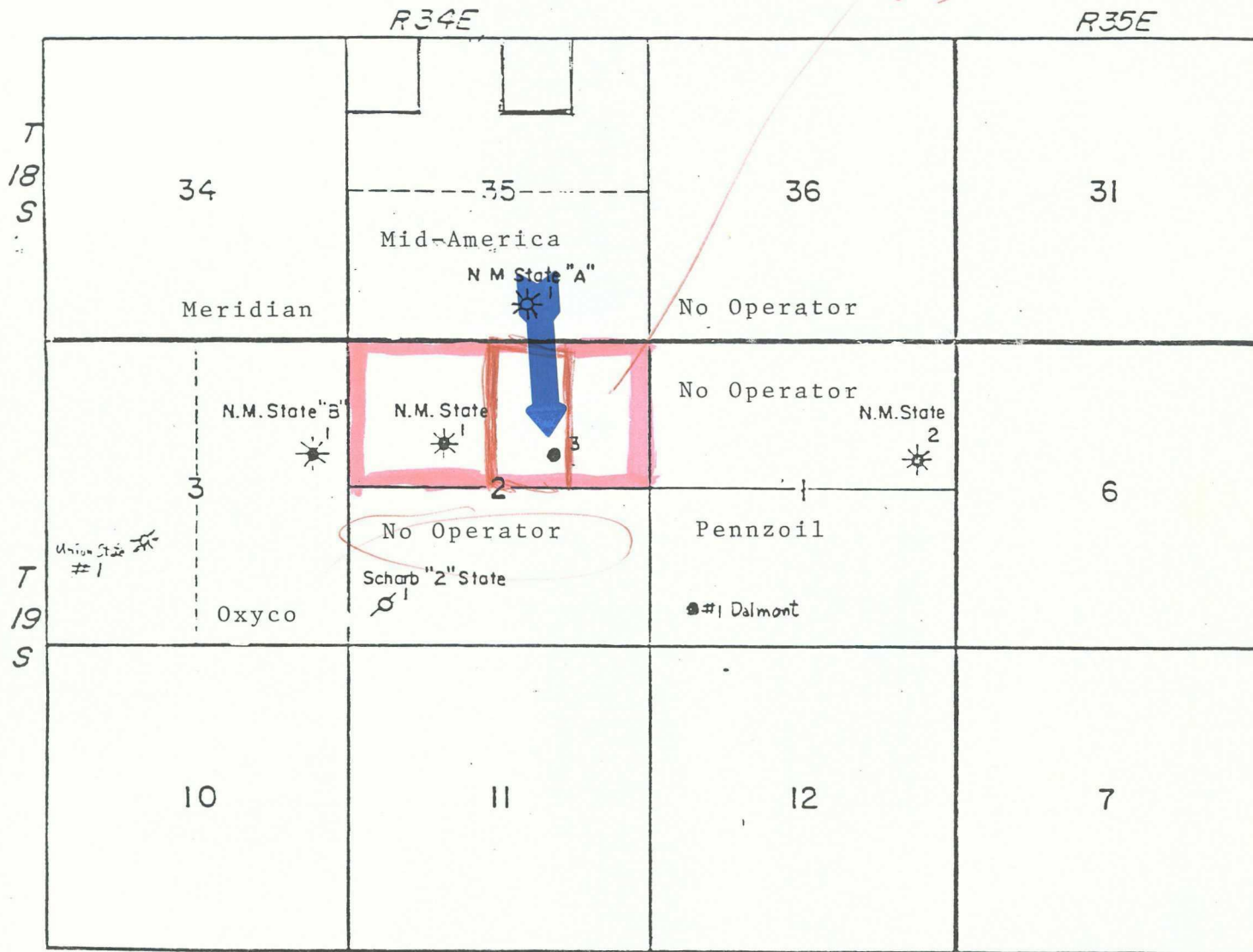
Meridian Oil, Inc.
21 Desta Dr.
Midland, Texas 79701

Mid-America Petroleum Corp.
P.O. Box 3120
Midland, Texas 79702

Pennzoil Company
Box 2967 700 Milam
Houston, Tx 77001

Oxyco
P.O. Box 27725
Houston, Texas 77227-7725

Survey Operators



Mid-American State #3
Sec. 2, T-29-S, R-34-E

LEA CO., NEW MEXICO

COUNTY *Lea*POOL *Scharb - Bone Springs*TOWNSHIP *19 South*RANGE *34 East*

NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Ext: $\frac{S}{2}$ Sec. 1; $\frac{SE}{4}$ Sec. 11; All Sec. 12 (R-3441, 6-1-68)

Ext: $\frac{S}{2}$ Sec 2 (R-4734, 3-1-74) EXT: $\frac{E}{2}$ SEC 3 (R-8696, 7/22/85)

SCHARB-BONE SPRINGS POOL
Lea County, New Mexico

Order No. R-2589, Adopting Temporary Operating Rules for the Scharb-Bone Springs Pool, Lea County, New Mexico, October 30, 1983, as Amended by Order No. R-2589C, April 13, 1983.

Order No. R-2589B, November 24, 1984, makes permanent the rules adopted in Order No. R-2589.

Application of Big (6) Drilling Company for Extension of an Existing Oil Pool and Special Pool Rules, Lea County, New Mexico.

CASE NO. 2910
Order No. R-2589

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on October 18, 1983, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 30th day of October, 1983, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Big (6) Drilling Company, seeks extension of the horizontal limits of the Scharb-Bone Springs Oil Pool to comprise the W/2 of Section 5, all of Section 6, and the N/2 of Section 7, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico.

(3) That the applicant also seeks the promulgation of special rules and regulations governing said pool, including provisions for 80-acre spacing units, lumping any two contiguous 40-acre tracts, and for spaced well locations.

(4) That in order to prevent the economic loss caused by the drilling of unnecessary wells to avoid the augmentation of risk caused from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect the property of the applicant, special rules and regulations providing for 80-acre spacing units should be promulgated for the Scharb-Bone Springs Oil Pool.

(5) That in order to encourage the orderly development of the subject pool, the temporary special rules and regulations should be promulgated for the subject pool comprising the N/2, S/2, E/2, or W/2 of a single governmental quarter section, including the configuration of leases, the diversity of ownership and the locations of wells previously drilled in the SW/4 and W/2 SE/4 of Section 6, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico, the operators in said area should be permitted to dedicate to wells within said area any two quarter sections contiguous by a common bordering side and lying wholly within said area.

(6) That the temporary special rules and regulations should provide for limited well locations in order to assure orderly development of the pool and protect correlative rights.

(7) That the temporary special rules and regulations should be established for a one-year period in order to allow the operators in the subject pool to gather reservoir information to determine the area that can be efficiently and economically drained and developed by one well.

(8) That this case should be reopened at an examiner hearing in October, 1984, at which time the operators in the subject pool should appear and show cause why the Scharb-Bone Springs Oil Pool should not be developed on 40-acre spacing units.

IT IS THEREFORE ORDERED:

(1) That the horizontal limits of the Scharb-Bone Springs Oil Pool in Lea County, New Mexico, are hereby extended to include the following-described area:

TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM
Section 5: W/2
Section 6: All
Section 7: N/2

(SCHARB-BONE SPRINGS POOL - Cont'd.)

(2) That Special Rules and Regulations for the Scharb-Bone Springs Oil Pool are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS
FOR THE
SCHARB-BONE SPRINGS OIL POOL

RULE 1. Each well completed or recompleted in the Scharb-Bone Springs Oil Pool or in the Bone Springs formation within one mile of the Scharb-Bone Springs Oil Pool, and not nearer to or within the limits of another designated Bone Springs oil pool, shall be spaced, drilled, operated, and produced in accordance with the Special Rules and Regulations hereinafter set forth.

RULE 2. Each well completed or recompleted in the Scharb-Bone Springs Oil Pool shall be located within the N/2, S/2, E/2, or W/2 of a single governmental quarter section; provided, however, that nothing contained herein shall be construed as prohibiting the drilling of a well on each of the quarter-quarter sections in the unit.

RULE 3. The Secretary-Director may grant an exception to the requirements of Rule 2 in the event of a well located on a single quarter-quarter section or lot. All operators offering the proposed non-standard unit shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the formation of the non-standard unit within 30 days after the Secretary-Director has received the application.

RULE 4. (As Amended by Order No. R-2589C, April 13, 1983.) Wells may be located in either quarter-quarter section in the provision unit provided that any such well shall be located within 200 feet of the center of the quarter-quarter section.

RULE 5. The Secretary-Director may grant an exception to the spacing requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon, provided the well will be located no nearer than 350 feet to the outer boundary of the unit. All operators offering the proposed unorthodox location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the unorthodox

location within 20 days after the Secretary-Director has received the application.

RULE 6. A standard provision unit (79 through 81 acres) in the Scharb-Bone Springs Oil Pool shall be assigned an 80-acre proportional factor of 5.67 for allowable purposes, and in the event there is more than one well on an 80-acre provision unit, the operator may produce the allowable assigned to the unit from the wells on the unit in any proportion.

The allowable assigned to a non-standard provision unit shall bear the same ratio to a standard allowable in the Scharb-Bone Springs Oil Pool as the acreage in such non-standard unit bears to 80 acres.

IT IS FURTHER ORDERED:

(1) That an exception is hereby granted to the Special Rules and Regulations for the Scharb-Bone Springs Oil Pool to permit the operators in the SW/4 and W/2 SE/4 of Section 6, Township 19 South, Range 35 East, NMPM, Lea County, New Mexico, to dedicate to existing and future wells within said area any two quarter-quarter sections contiguous by a common bordering side and lying wholly within said area.

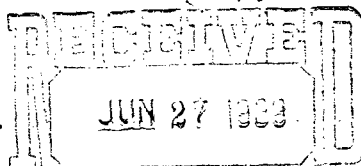
(2) That any well drilling to or completed in the Bone Springs formation within the Scharb-Bone Springs Oil Pool or within one mile of the Scharb-Bone Springs Oil Pool on or before October 9, 1983, that will not comply with the well location requirements of Rule 4 is hereby granted an exception to the requirements of said rule. The operator of any such well shall notify the Honorable Daniel S. Nutter, Oil Conservation Commissioner, of the name and location of the well on or before November 15, 1983.

(3) That any operator desiring to dedicate 80 acres to a well presently drilling to or completed in the Scharb-Bone Springs Oil Pool on or before November 15, 1983, shall file with the Commission on or before November 15, 1983.

(4) That this case shall be reopened at an examiner hearing in October, 1984, at which time the operators in the subject pool may appear and show cause why the Scharb-Bone Springs Oil Pool should not be developed on 40-acre spacing units.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary. DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT



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

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

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	GAS
OPERATOR	
PROMOTION OFFICE	

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
Sun Exploration & Production Co.

Address
P. O. Box 1861, Midland, Texas 79702

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	Other (Please explain) Change Lease Name from New Mexico State No. 3
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Dry Gas <input type="checkbox"/> Condensate	

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Mid-America State	Well No. 3	Pool Name, including Formation Airstrip Wolfcamp	Kind of Lease State, Federal or Fee	State Lea	Lease No. 1367N
Location Unit Letter <u>G</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>1650</u> Feet From The <u>East</u> Line of Section <u>2</u> Township <u>19-S</u> Range <u>34-E</u> , NMPM, Lea County					

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Permian	Address (Give address to which approved copy of this form is to be sent) Box 1183, Hosuton, Texas 77001
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> None	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit <u>G</u> Sec. <u>2</u> Twp. <u>19-S</u> Rge. <u>34-E</u> Is gas actually connected? <u>No Gas</u> When

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Maria L. Perez
(Signature)
Accounting Associate
6-22-88
(Date)
A/C 915-688-9375
(Date)

OIL CONSERVATION DIVISION

JUN 24 1988
APPROVED _____
BY [Signature]
Geologist
TITLE _____

This form is to be filled in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filled for each pool in multiply completed wells.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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Form C-104
Revised 10-01-78
Format 06-01-83
Page 1OIL CONSERVATION DIVISION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
Sun Exploration & Production Co.

Address
P. O. Box 1861, Midland, Texas 79702

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas	Other (Please explain) Operator Change Effective 6-1-88 (Oil Well)
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Condensate	
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas		

If change of ownership give name and address of previous owner Mid-America Petroleum, Inc., P. O. Box 3023, Midland, Texas 79702

II. DESCRIPTION OF WELL AND LEASE

Lease Name New Mexico State	Well No. 3	Pool Name, including Formation Airstrip Wolfcamp	Kind of Lease State, Federal or Fee State	Lease No. 1367N
Location				
Unit Letter <u>G</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>1650</u> Feet From The <u>East</u>				
Line of Section <u>2</u> Township <u>19-S</u> Range <u>34-E</u> , NMPM, <u>Lea</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Permian Corporation	Box 1183, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
None	
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	G 2 19-S 34-E No Gas

If this production is commingled with that from any other lease or pool, give commingling order number: _____

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Maria L. Perez
(Signature)
Accounting Associate
(Title)
June 8, 1988
(Date)

OIL CONSERVATION DIVISION
APPROVED JUN 10 1988, 19____
BY [Signature]
DISTRICT SUPERVISOR
TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

A/C 915-688-0375

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1

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OPERATOR	

3a. Indicate Type of L. use	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
1367N	

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT - L" (FORM C-101) FOR SUCH PROPOSALS.OIL WELL ☒ GAS WELL ☐ OTHER-Name of Operator
Mid-America Petroleum, Inc.Address of Operator
P. O. Box 2515, Midland, Texas 79702

Location of Well
UNIT LETTER G 1980 FEET FROM THE North LINE AND 1650 FEET FROM
THE East LINE, SECTION 2 TOWNSHIP 19S RANGE 34E

7. Unit Agreement Name

8. Farm or Lease Name
New Mexico State9. Well No.
3

10. Field and Pool, or Whichever

15. Elevation (Show whether DF, RT, GR, etc.)

3973' GR

12. County
Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

FORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☒
 PLUG OR ALTER CASING ☐

PLUG AND ABANDON ☐
 CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
 COMMENCE DRILLING OPER. ☐
 CASING TEST AND CEMENT JOB ☐
 OTHER ☐

ALTERING CASING ☐
 PLUG AND ABANDONMENT ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

We would request that the well above mentioned be temporarily abandoned, until
 at a later time we could go back and test some new zones.
 We think that the worked should be started within the next six months.

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

By Debbie Thompson Debbie Thompson TITLE Production ClerkDATE April 21, 1983APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR

BY: (NAME OF APPROVAL, IF ANY)

Expired 4/25/84DATE APR 25 1983

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Mid-America Petroleum, Inc.	
Address P.O. Box 2515, Midland, Texas 79702	
Reason(s) for filing (Check proper box)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	
If change of ownership give name and address of previous owner	
THIS WELL HAS BEEN PLACED IN THE POOL DESIGNATED BELOW. IF YOU DO NOT CONCUR NOTIFY THIS OFFICE.	
II. DESCRIPTION OF WELL AND LEASE	
Lease No. N.M. State	Well No. 3
Pool Name, including Formation Airstrip Wolfcamp	Kind of Lease State, Federal or Fee State
Location Unit Letter G	1980 Feet From The North Line and 1650 Feet From The East
Line of Section 2	Township 19S
Range 34E	Lea County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation	P. O. Box 1183, Houston, TX 77001
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit G
Sec. 2	Twp. 19S
Rge. 34E	Is gas actually connected? No gas

If this production is commingling with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil well <input checked="" type="checkbox"/> Gas well <input type="checkbox"/> New well <input checked="" type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Same Reservoir <input type="checkbox"/> Diff. Res. <input type="checkbox"/>
Date Spudded 6-21-82	Date Compl. Ready to Prod. 9-5-82
Total Depth 13,680'	P.B.T.D. 13,380'
Elevations (OF, RAB, RT, GR, etc.) 3973 GR	Name of Producing Formation Wolfcamp Lime
Top Oil/Gas Pay 11,664	Tubing Depth 11,471
Perforations 11,664-11,682	19 holes
TUBING, CASING, AND CEMENTING RECORD	
HOLE SIZE	CASING & TUBING SIZE
17-1/2"	13-3/8"
12-1/4"	8-5/8"
7-7/8"	5-1/2"
DEPTH SET	SACKS CEMENT
540'	450 sxs Class "C"
4400'	525 CLC + 575 Class "C"
1360'	730 CLH + 400 Class "H"

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 2-5-83	Date of Test 3-10-83	Producing Method (Flow, pump, gas lift, etc.) Pumping
Length of Test 24 hrs	Tubing Pressure -----	Casing Pressure -----
Actual Prod. During Test	Oil-Bbls. 10	Water-Bbls. -0-
		Gas-MCF -0-

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (shot-in)	Casing Pressure (shot-in)	Choke Size

I. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Debbie Thompson
(Signature)
Engineering Assistant(Title)
March 18, 1983
(Date)

OIL CONSERVATION DIVISION

APPROVED MAR 22 1983

BY *[Signature]*
TITLE DISTRICT 1 SUPERVISOR

This form is to be filed in compliance with RULE 111.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviator tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all wells on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of well name or number, or transporter, or other such change of identity.

Separate Forms C-104 must be filed for each pool in multi-completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

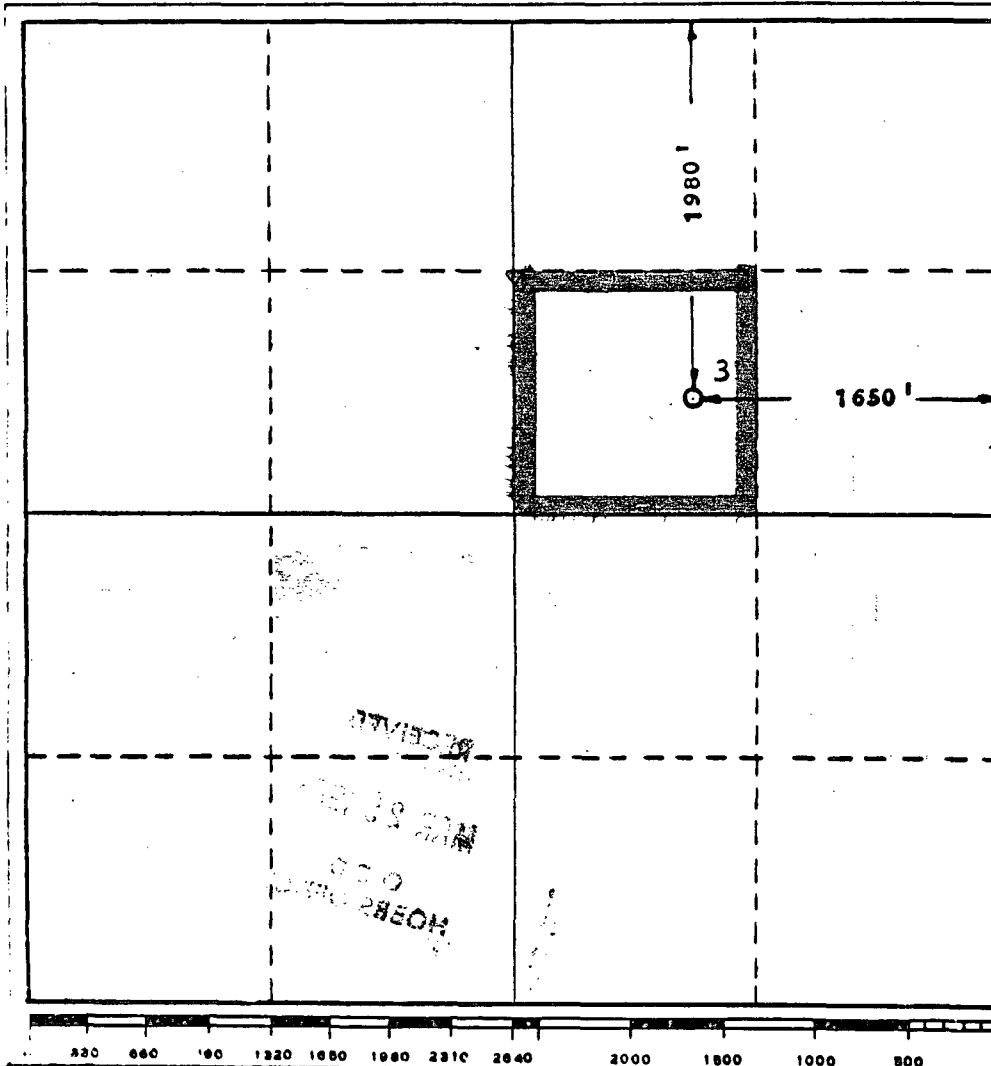
Operator MID-AMERICA PETROLEUM, INC.			Lease NEW MEXICO - STATE		Well No. 3
Unit Letter G	Section 2	Township 19-S	Range 34-E	County LEA	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1980 feet from the NORTH line and 1650 feet from the EAST line </div>					
Ground Level Elev. 3973	Producing Formation Wolfcamp	Pool Airstrip Wolfcamp		Dedicated Acreage: 40 Acres	

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

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

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

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



CERTIFICATION

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

Debbie Thompson
Name

Debbie Thompson

Position
Production Clerk

Company
Mid-America Petroleum, Inc.

Date
March 24, 1983

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

Date Surveyed
May 7, 1982

Registered Professional Engineer
and/or Land Surveyor

Mark C. Shover
Certificate No.

2189

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OPERATOR	

**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.
-

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
New Mexico State

2. Name of Operator
Mid-America Petroleum, Inc.

3. Address of Operator
P.O. Box 2515, Midland, Texas 79702

4. Location of Well

9. Well No.
3

10. Field and Pool, or Wildcat
Airstrip Wolfcamp

UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE AND 1650 FEET FROM
THE East LINE OF SEC. 2 TWP. 19S RGE. 34E NMPM

12. County
Lea

15. Date Spudded 6-21-82 16. Date T.D. Reached 9-5-82 17. Date Compl. (Ready to Prod.) 12-20-82 18. Elevations (DF, RKB, RT, GR, etc.) 3973 GR 19. Elev. Casinghead 3973

20. Total Depth 13,680 21. Plug Back T.D. 13,380 22. If Multiple Compl., How Many
23. Intervals Drilled By Rotary Tools Cable Tools
0-13,680 -

24. Producing Interval(s), of this completion - Top, Bottom, Name
11,664' - 11,682' Wolfcamp

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
CNL-FDC Dual Induction GR

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#	540'	17-1/2"	450 sx Class "C"	None
8-5/8"	32# & 24#	4400'	12-1/4"	525 sx. Class C & 575 sx. C.I. C	None
5-1/2"	20# & 17#	13,680'	7-7/8"	730 sx. C.I. H Lite Poz + 400 sx C.I. H.	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	11,471'	None

31. Perforation Record (Interval, size and number)
11,664' - 11,682' .025 19 holes 1 jspf

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
13,546-13,567	3000 gals. 7 1/2% w/1000 scf N ₂ /3000 gals. 15% HCl
11,664-11,706	7000 gals. 15% HCl acid frac 20,000 6000# 20/40 9000# 100 mesh, 20% acid.

33. PRODUCTION

Date First Production 12-2-82 Production Method (Flowing, gas lift, pumping - Size and type pump) 2-1/2" x 1-1/2" x 16' pump. Well Status (Prod. or Shut-in) Prod.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
3-10-83	24	open		10	TSTM	-0-	-0-

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
----	-----		10	TSTM	-0-	40

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

Test Witnessed By

35. List of Attachments
Inclination Report, DST, logs, & formation record

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 Debbie Thompson TITLE Production Clerk DATE March 18, 1983

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

Southeastern New Mexico

T. Anby 1941

T. Anhy _____	1941	T. Canyon _____	
T. Salt _____		T. Strawn _____	12,190
B. Salt _____		T. Atoka _____	12,495
T. Yates _____		T. Miss _____	
T. 7 Rivers _____		T. Devonian _____	
T. Queen _____		T. Silurian _____	
T. Grayburg _____		T. Montoya _____	
T. San Andres _____		T. Simpson _____	
T. Glorieta _____		T. McKee _____	
T. Paddock _____		T. Ellenburger _____	
T. Blinebry _____		T. Gr. Wash _____	
T. Tubb _____		T. Granite _____	
T. Drinkard _____		T. Delaware Sand _____	
T. Abo _____		T. Bone Springs _____	8005
T. Wolfcamp _____	10,948	T. Morrow LS _____	12,843
T. Penn. _____		T. _____	
T. Cisco (Bough C) _____		T. _____	

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Qizte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn. "A" _____	T. _____

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

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

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

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

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

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

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
			See Attached				

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NEW MEXICO STATE NO. 3

Formation Record

FROM	TO	THICKNESS IN FEET	FORMATION	FROM	TO	THICKNESS IN FEET	FORMATION
0	540	540	Surface Detritus	10,416	10,691	275	Shale
540	835	295	Cmt. & RB	10,691	10,742	51	Shale
835	1,215	609	RB & Anhy.	10,742	10,898	156	Shale
1,215	1,615	400	Anhydrite	10,898	11,157	259	Lime & Shale
1,615	1,794	179	Anhy. & Lime	11,157	11,387	230	Shale
1,794	1,955	176	Anhy. & Salt	11,387	11,562	175	Shale
1,955	2,460	505	Salt	11,562	11,671	109	Shale
2,460	2,943	483	Anhy. & salt	11,671	11,752	81	Lime
2,943	3,361	421	Anhydrite	11,752	11,837	85	Lime & Shale
3,361	3,548	184	Lime	11,837	11,923	66	Shale
3,548	3,682	177	Anhy. & Lime	11,923	12,012	89	Shale
3,682	3,889	207	Lime	12,012	12,104	92	Shale
3,889	4,120	231	Lime	12,104	12,148	44	Shale
4,120	4,322	208	Lime	12,148	12,206	58	Shale
4,322	4,400	63	Lime	12,206	12,316	110	Shale
4,400	4,464	64	Lime	12,316	12,433	117	Chert & Shale
4,464	4,765	301	Sand & Lime	12,433	12,521	88	Shale & Lime
4,765	5,101	336	Lime	12,521	12,566	45	Shale
5,101	5,377	256	Lime	12,566	12,624	58	Lime
5,377	5,823	451	Dolomite	12,624	12,702	79	Lime & Sand
5,823	6,261	418	Lime & Dolo.	12,702	12,776	54	Shale & Lime
6,261	6,435	194	Lime & Dolo.	12,776	12,866	90	Lime & Shale
6,435	6,818	383	Lime & Dolo.	12,866	12,963	97	Lime & Shale
6,818	7,285	467	Dolomite	12,963	13,011	48	Lime & Shale
7,285	7,680	395	Dolomite	13,011	13,114	103	Shale
7,680	8,027	447	Dolomite	13,114	13,220	106	Shale
8,027	8,310	283	Dolo. & Lime	13,220	13,331	111	Lime & Shale
8,310	8,524	214	Dolomite	13,331	13,375	44	Lime & Shale
8,524	8,940	319	Shale	13,375	13,435	60	Lime & Shale
8,940	9,168	228	Shale	13,435	13,513	78	Lime & Shale
9,168	9,570	402	Sand & Shale	13,513	13,624	109	Lime & Shale
9,570	9,904	334	Shale	13,624	13,675	49	Shale
9,904	10,200	296	Shale	13,675	13,680	5	Shale
10,200	10,416	216	Shale				

INCLINATION REPORT

Mid-America Petroleum, Inc.
P. O. Box 2515
Midland, Texas 79702

Well: New Mexico State #3----Lea County, New Mexico
Unit letter G, located 1980 FNL & 1650 FEL of Sec. 2,
TWP 19-S, RGE 34-E.

Measured Depth (feet)	Course Length (100s of feet)	Angle of Inclination (Degree)	Displacement per 100s feet	Course Displacement (feet)	Accumulative Displacement (feet)
253	2.53	4	6.98	17.66	17.66
878	6.25	3	5.23	32.69	50.35
935	.57	2-3/4	4.80	2.74	53.09
1118	1.83	2	3.49	6.39	59.48
1369	2.51	1-1/2	2.62	6.58	66.06
1425	.56	3/4	1.31	.73	66.79
1542	1.17	1/4	.44	.51	67.30
1615	.73	0	.00	.00	67.30
1740	1.25	1	1.75	2.19	69.49
1917	1.77	1-3/4	3.05	5.40	74.89
2389	4.72	2	3.49	16.47	91.36
3361	9.72	3/4	1.31	12.73	104.09
3750	3.89	3/4	1.31	5.09	109.18
4267	5.17	1-1/4	2.16	11.16	120.34
5367	11.00	3/4	1.31	14.41	134.75
6308	9.41	1	1.75	16.46	151.21
7222	9.14	1/2	.87	7.95	159.16
8125	9.03	3/4	1.31	11.82	170.98
9030	9.05	1-3/4	3.05	27.60	198.58
10492	14.62	1-1/4	2.16	31.58	230.16
11671	11.79	1-3/4	3.05	35.96	266.12
12148	4.77	1	1.75	8.35	274.47
13375	12.27	1-3/4	3.05	37.42	311.89

Prepared by: Robert Thompson

Subscribed and Sworn to this 18th day of March, 1983.
Bonnie Otwell My Commission Expires:
Notary Public in and for the State 2-7-84
Texas.

Contractor M.A.D.E. Drilling Co. Top Choke 1/4" & 1/2" x 6"
Rig No. 3 Bottom Choke 1"
Spot 1988' FNL-1650' FEL Size Hole 7 7/8"
Sec. 2 Size Rat Hole --
Twp. 19S Size & Wt. D. P. 4 1/2" 16.60
Rng. 34E Size Wt. Pipe --
Field Buckeye I. D. of D. C. 2 1/4"
County Lea Length of D. C. 553'
State New Mexico Total Depth 11671'
Elevation 4025' KB Interval Tested 11630'-11671'
Formation Wolfcamp Lime Type of Test Bottom Hole
Conventional

Flow No. 1 60 Min.
Shut-in No. 1 120 Min.
Flow No. 2 180 Min.
Shut-in No. 2 360 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. 209°F
Mud Weight 9.8
Gravity 40 @ 82°F
Viscosity 43

Tool opened @ 4:40pm

Inside Recorder

PRD Make Kuster K-3
No. 21680 Cap. 7500 @ 11617'

	Press	Corrected
Initial Hydrostatic	A	5975
Final Hydrostatic	K	5950
Initial Flow	B	177
Final Initial Flow	C	180
Initial Shut-in	D	5953
Second Initial Flow	E	177
Second Final Flow	F	261
Second Shut-in	G	6446
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Hobbs, NM
Our Tester: Ricky Ragsdale
Witnessed By: Ed Robinson

Did Well Flow - Gas Yes Oil No Water No
RECOVERY IN PIPE: 560' Free oil = 2.81 bbl.

Top Sample R.W.: 40 Gravity oil @ 80°F
Middle Sample R.W.: .03 @ 78°F = 200,000+ ppm. Cl.
Bottom Sample R.W.: .02 @ 78°F = 200,000+ ppm. Cl.

Blow Description:

1st Flow: Tool opened with a good underwater blow, increasing to 11.5 psi at end of flow period. After shut-in gas to surface in 55 minutes.

2nd Flow: Tool opened with a good underwater blow, with gas to surface in 25 minutes. Opened 1/4" choke an increased to 7 psi, decreased to 4.5 psi in 125 minutes and remained thru end of flow period. See Gas Volume Report.

LYNES, INC.

Mid-America Petroleum, Inc.

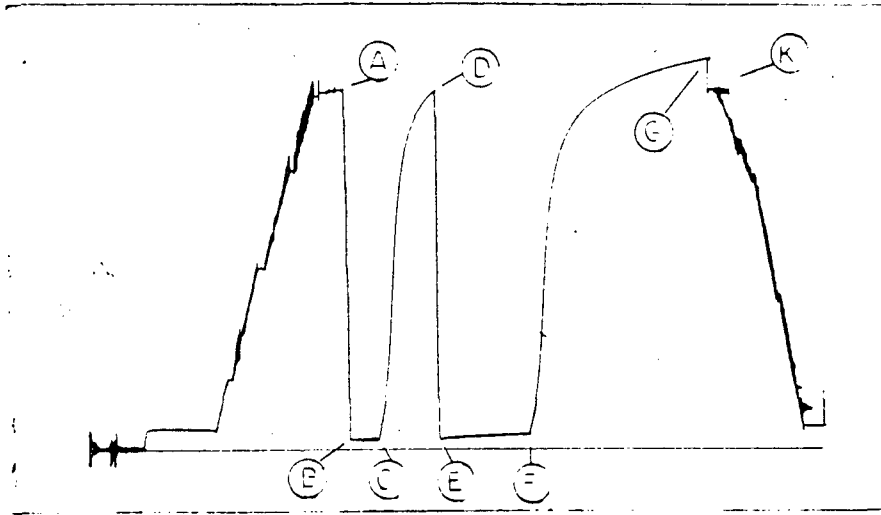
Operator

New Mexico State #3

Well Name and No.

1

DST No.



Outside Recorder

PRD Make Kuster K-3

No. 19012 Cap. 7875 @ 116

Press Correct

Initial Hydrostatic	A	6519
Final Hydrostatic	K	6490
Initial Flow	B	123
Final Initial Flow	C	145
Initial Shut-in	D	6545
Second Initial Flow	E	116
Second Final Flow	F	236
Second Shut-in	G	7082
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Pressure Below Bottom
Packer Bled To

PRD Make

No. Cap. @

Press Corre

Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-in	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-in	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	

Pressure Below Bottom
Packer Bled To

WELL NAME: NEW MEXICO STATE 3

WELL LOCATION:

DST NUMBER: 001

RECORDER NUMBER: 021680

INTERVAL TESTED: 11630FT TO 11671FT

RECORDER DEPTH:

TOTAL FLOW TIME: 60.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	180.0
1.0	61.0000	241.0
2.0	31.0000	300.0
3.0	21.0000	332.0
4.0	16.0000	380.0
5.0	13.0000	419.0
6.0	11.0000	470.0
7.0	9.5714	525.0
8.0	8.5000	567.0
9.0	7.6667	622.0
10.0	7.0000	658.0
12.0	6.0000	780.0
14.0	5.2857	900.0
16.0	4.7500	1025.0
18.0	4.3333	1172.0
20.0	4.0000	1330.0
30.0	3.0000	2506.0
40.0	2.5000	3862.0
50.0	2.2000	4598.0
60.0	2.0000	5040.0
70.0	1.8571	5316.0
80.0	1.7500	5518.0
90.0	1.6667	5667.0
100.0	1.6000	5782.0
110.0	1.5455	5875.0
120.0	1.5000	5953.0

THE INITIAL SHUT-IN WAS INCREMENTED BUT NO ACCURATE EXTRAPOLATION COULD BE PERFORMED DUE TO INSUFFICIENT CURVE DEVELOPMENT.

WELL LOCATION:

DST NUMBER: 001

RECORDER NUMBER: 021680

INTERVAL TESTED: 11630FT TO 11671FT

RECORDER DEPTH:

TOTAL FLOW TIME: 180.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	261.0
1.0	181.0000	338.0
2.0	91.0000	412.0
3.0	61.0000	496.0
4.0	46.0000	570.0
5.0	37.0000	645.0
6.0	31.0000	745.0
7.0	26.7143	841.0
8.0	23.5000	958.0
9.0	21.0000	1059.0
10.0	19.0000	1176.0
12.0	16.0000	1459.0
14.0	13.8571	1889.0
16.0	12.2500	2408.0
18.0	11.0000	3003.0
20.0	10.0000	3470.0
30.0	7.0000	4717.0
40.0	5.5000	5201.0
50.0	4.6000	5478.0
60.0	4.0000	5658.0
70.0	3.5714	5785.0
80.0	3.2500	5897.0
90.0	3.0000	5984.0
100.0	2.8000	6067.0
110.0	2.6364	6135.0
120.0	2.5000	6193.0
130.0	2.3846	6249.0 *
140.0	2.2857	6298.0 *
150.0	2.2000	6344.0 *
160.0	2.1250	6381.0 *
170.0	2.0588	6421.0 *
180.0	2.0000	6446.0 *

* VALUES USED IN HORNER ANALYSIS

SLOPE: 2613.06906 PSI/CYCLE

EXTRAPOLATED PRESSURE: 7236.6 PSI

HORNER PLOT

WELL NAME: NEW MEXICO STATE 3

LOCATION:

DST-NO:

001

REC-NO

021680

SHUT-IN:

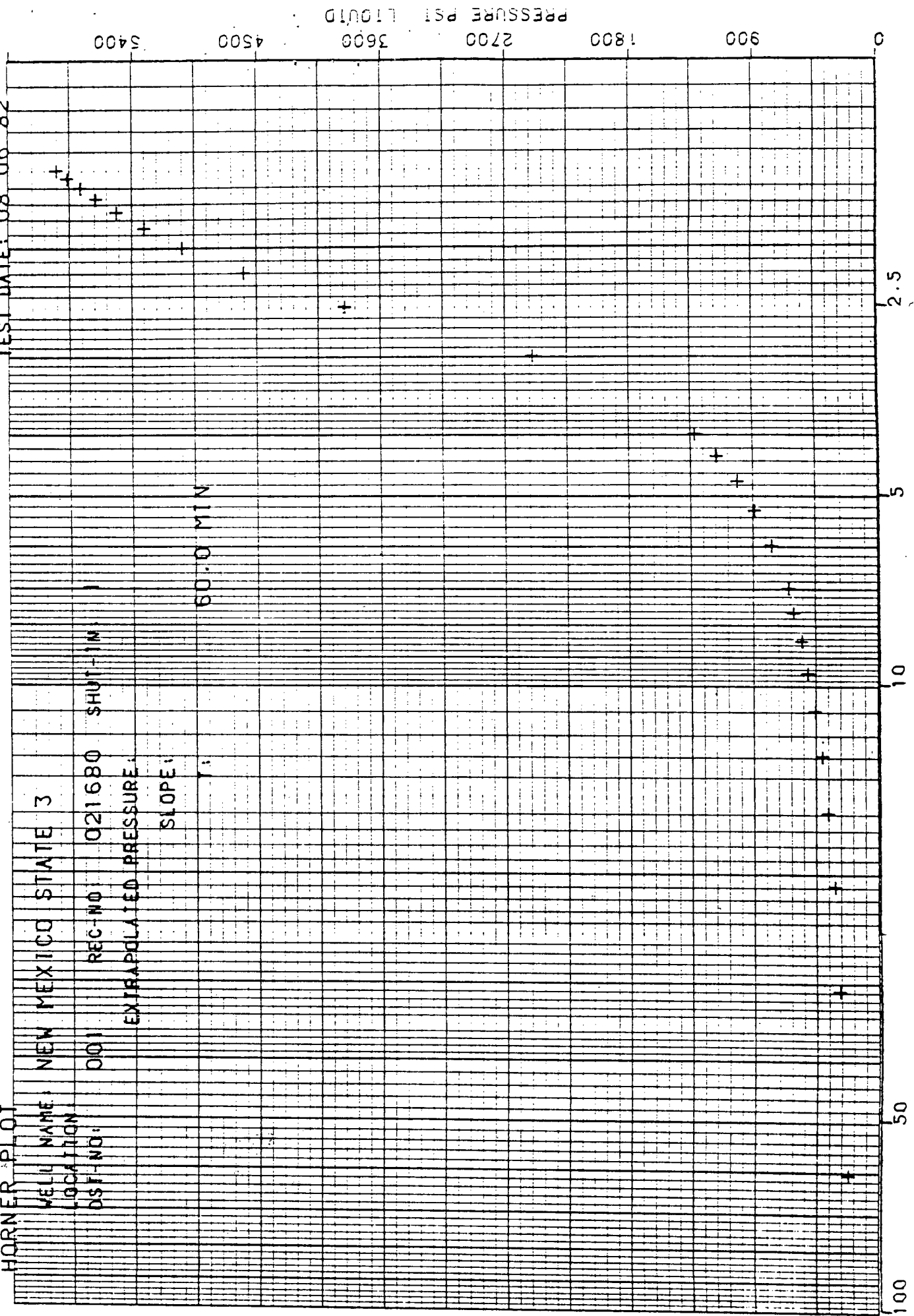
)

EXTRAPOLATED PRESSURE:

SLOPE:

60.0 MIN

TEST DATE: 08 06 82



HORNER PLOT

WELL NAME: NEW MEXICO STATE 3

LOCATION:

DSI-NO:

REC-NO: 021680

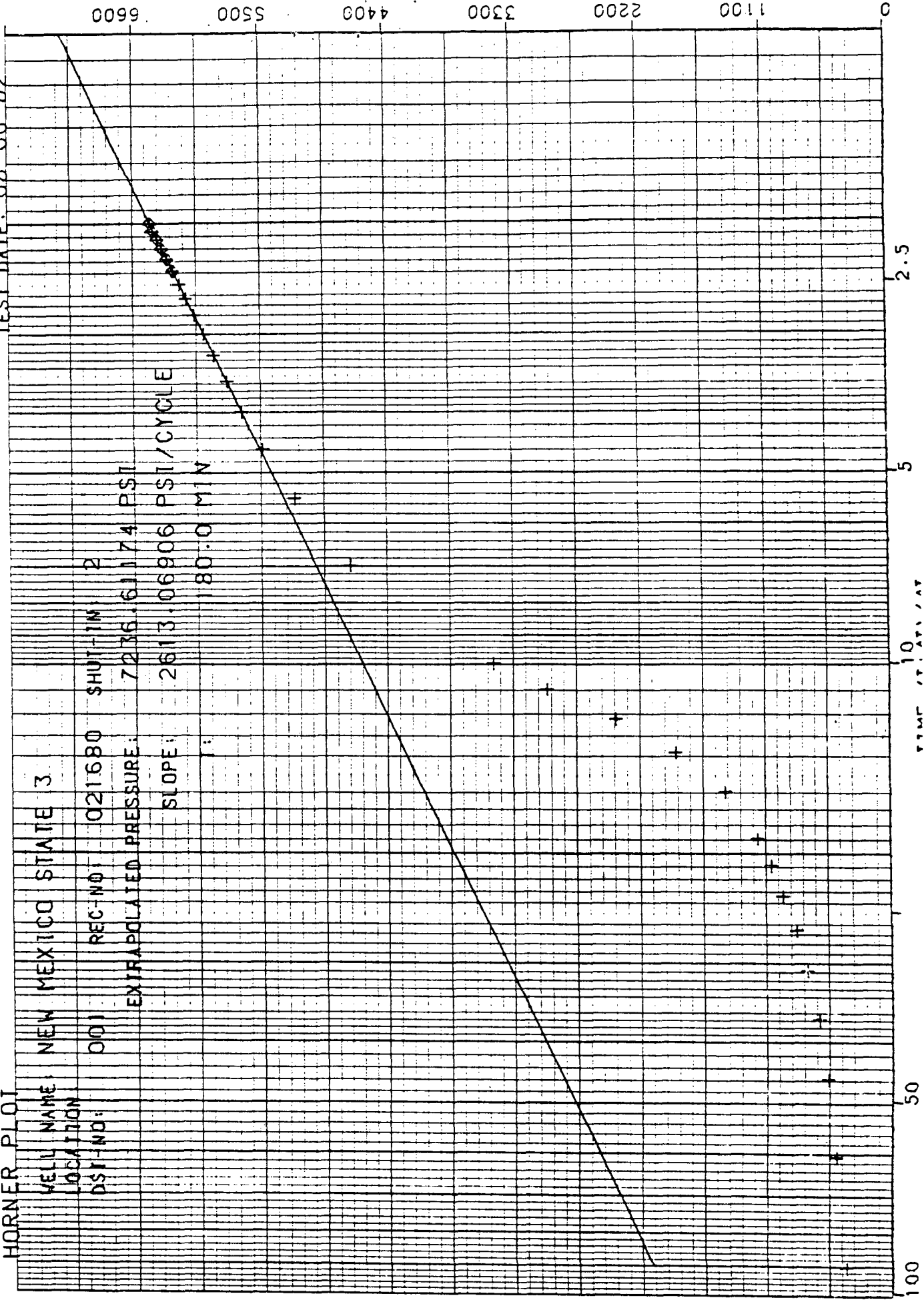
SHUT-IN: 2

EXTRAPOLATED PRESSURE: 7236.61174 PSI

SLOPE: 2613.06906 PSI/CYCLE

T: 80.0 MIN

TEST DATE: 08 06 82



LYNES, INC.

Gas Volume Report

Mid-America Petroleum, Inc.

New Mexico State #3

1

Operator

Well Name and No.

DST No.

FINAL FLOW PERIOD

[illegible]

Remarks:

LYNES, INC.

Sampler Report

Company Mid-America Petroleum, Inc. Date 8-6-82
Well Name & No. New Mexico State #3 Ticket No. 27264
County Lea State New Mexico
Test Interval 11630'-11671 DST No. 1

Total Volume of Sampler: 2200 cc.
Total Volume of Sample: 1300 cc.
Pressure in Sampler: 100 psig
Oil: 650 cc.
Water: None cc.
Mud: 650 cc.
Gas: -- cu. ft.
Other: None

Resistivity

Make Up Water _____ @ _____ Salinity Content _____ ppm.
Mud Pit Sample 0.1 @ 80°F Salinity Content 200,000+ ppm.
Gas/Oil Ratio 10/90 Gravity 77.8 °API @ 60 °F

Where was sample drained On Location

Remarks: _____

LYNES, INC.

Distribution of Final Reports

Mid-America Petroleum, Inc.
Operator

New Mexico State #3
Well Name and No.

Original &

5 Copies:

Mid-American Petroleum, Inc., P. O. Box 2515, Midland, TX 797

OIL CONSERVATION DIVISION

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

Form C-101
Revised 10-1-78

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DEC 10 1982

6a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.

SUNDY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Mid-America Petroleum, Inc.	8. Farm or Lease Name New Mexico State
3. Address of Operator P. O. Box 2515, Midland, TX 79702	9. Well No. 3
4. Location of Well UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>2</u> TOWNSHIP <u>19-S</u> RANGE <u>34-E</u> NMPN.	10. Field and Pool, or Widest East La Rica Morrow
15. Elevation (Show whether DF, RT, GR, etc.) 3973 GR	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1103.

Released packer and POOH with tubing and packer. Perforated 6 squeeze holes @ 11,774'. Picked up packer and tested tubing in hole. Set packer @ 11,733'. Squeezed through perfs @ 11,774' w/50 sx Class H. Squeezed @ 3500# and 1.5 BPM. Circulated hole clean. Perforated 11,664'-11,682' (19 holes). Spotted 250 gals. 10% acid. ISIP 3800. Swab tested. 11-30-82 R.U. Dowell and frac'd Wolfcamp Lime w/20,000 gals containing 6000# 20/40 sand, 9000# 100 mesh sand and 10,000 gals. 20% acid mix. Presently swab flow testing.

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

SIGNED <u>Bartman Meyer</u>	TITLE <u>Engineering Assistant</u>	DATE <u>12-1-82</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>SUPERVISOR DISTRICT 1</u>	DATE <u>DEC 7 1982</u>
CONDITIONS OF APPROVAL, IF ANY:		

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ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-7

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Mid-America Petroleum, Inc.	8. Farm or Lease Name New Mexico State
3. Address of Operator P. O. Box 2515, Midland, Texas 79702	9. Well No. 3
4. Location of Well UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>2</u> TOWNSHIP <u>19S</u> RANGE <u>34E</u> NMPM.	10. Field and Pool, or Wildcat East La Rica Morrow
15. Elevation (Show whether DF, RT, GR, etc.) 3973 GR	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

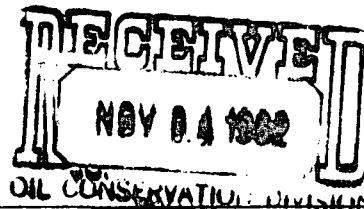
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- Flow/swab tested Morrow formation 13,462 - 13,471 9-30-82 to 10-8-82 with no measurable amount of gas.
- Set CIBP @ 13,400' and cap w/20' cement PBTD 13,380'.
- TIH w/tubing to 11,710' and spot 500 gallons 15% HCL. Perforate Wolfcamp formation 11,664 - 11,706' w/1 spf w/4" casing gun.
- TIH w/tubing and packer and set packer at 11,200'. Put spot acid away, flow/swab back load.
- Acidize formation w/7000 gallons 15% HCL.
- Presently flow/swab testing well.



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

SIGNED <u>[Signature]</u>	TITLE <u>Petroleum Engineer</u>	DATE <u>10-28-82</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>SUPERVISOR DISTRICT 1</u>	DATE <u>NOV 1 1982</u>
CONDITIONS OF APPROVAL, IF ANY:		

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

Form C-103
Revised 10-1-

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LAND OFFICE	
OPERATOR	

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

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT..." (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER-	7. Unit Agreement Name
2. Name of Operator Mid-America Petroleum, Inc.	8. Farm or Lease Name New Mexico State:
3. Address of Operator P. O. Box 2515, Midland, TX 79702	9. Well No. 3
4. Location of Well UNIT LETTER <u>G</u> , 1980 FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>2</u> TOWNSHIP <u>19-S</u> RANGE <u>34-E</u> NMPM.	10. Field and Pool, or Wildcat East La Rica Morrow
15. Elevation (Show whether DF, RT, GR, etc.) 3973' GL	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
OTHER <u>SANTA FE</u>		OTHER <u>Perforate</u>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- MIRU completion unit 9-24-82.
- Pick up tubing and packer and tested slips to 8000 psi.
- Circulated hole w/2% KCL. Spot 26 gals 7-1/2% Morrow acid across selected intervals 13,546 - 13,567.
- Set packer @ 13,520'. Perforate w/tbg gun 13,546'-13,567' w/1SPF.
- Acidize Morrow formation w/3000 gals. 7-1/2% Morrow acid containing 1000 scf N₂ per barrel acid.
- Flow/swab test 9-27-82 & 9-28-82 with no measurable amount of gas.
- RIH and set CIBP at 13,535' and cap w/20' cement. New PBTD 13,515'.
- Circ hole w/10# brine, TIH w/tbg. to 13,471' and spot 250 gal. 15% HCL.
- POOH w/tbg. Perforate 1 spf w/4" casing gun 13,462 - 13,476'. TIH w/packer and tubing and spot 250 gals 15% HCL across perforated interval.
- Flow test through separator.
- RU and acidize with 3000 gals. 15% HCL.
- Presently flow testing well.

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

SIGNED <u>Ed Lohman</u>	TITLE <u>Engineer</u>	DATE <u>10-11-82</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>SUPERVISOR DISTRICT 1</u>	DATE <u>OCT 15 1982</u>
CONDITIONS OF APPROVAL, IF ANY:		

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ENERGY AND MINERALS DEPARTMENT

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Form C-103
Revised 10-1-77

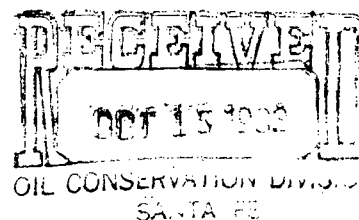
<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS <small>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)</small></p>		<p>5a. Indicate Type of Lease State <input checked="" type="checkbox"/> For <input type="checkbox"/></p> <p>5. State Oil & Gas Lease No. --</p>
<p>1. OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. Name of Operator Mid-America Petroleum, Inc.</p> <p>3. Address of Operator P. O. Box 2515, Midland, Texas 79702</p> <p>4. Location of Well UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>1650</u> FEET FROM THE <u>east</u> LINE, SECTION <u>2</u> TOWNSHIP <u>19S</u> RANGE <u>34E</u> NMPM.</p>	<p>7. Unit Agreement Name --</p> <p>8. Farm or Lease Name New Mexico State</p> <p>9. Well No. 3</p> <p>10. Field and Pool, or Wildcat East La Rica Morrow</p>	<p>15. Elevation (Show whether DF, RT, GR, etc.) 3973' GR</p> <p>12. County Lea</p>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPMS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) Drilled 7-7/8" hole to TD 13,680'. Reached TD at 10:00 a.m. 9-3-82.
- 2) Ran CNL-FDC and Dual Induction open hole logs.
- 3) Ran 5-1/2" OD casing as follows: 49 jts. (1954.60') 20# N80 LT&C on bottom; 13 jts. (524.90') 20# L80 LT&C; 17 jts. (668.11') 17# S95 LT&C; 56 jts. (2335.52') 17# P110 LT&C; 192 jts. (8158.88') 17# N80 LT&C, total 327 jts. (13,624.01'). Set casing at 13,680'. Cemented w/730 sacks 65/35 Class H Lite Poz III plus additives. Tailed-in with 400 sacks Class H plus additives.
- 4) Bumped plug at 6:30 a.m. 9-5-82.
- 5) Calculated TOC at 8000'. Set slips and cut off casing.
- 6) Released rotary tools 9-5-82.
- 7) Waiting on completion unit.



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

SIGNED <u>Ed Robinson</u>	TITLE <u>Drilling Engineer</u>	DATE <u>October 8, 1982</u>
APPROVED BY <u>Jerry Seaton</u>		DATE <u>OCT 12 1982</u>
CONDITIONS OF APPROVAL, IF ANY:		TITLE <u>SUPERVISOR DISTRICT 1</u>

OIL CONSERVATION DIVISION

30-025-27827

Form C-103
Revised 10-1-75

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SANTA FE, NEW MEXICO 87501

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
--

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-161) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator	8. Farm or Lease Name
Mid-America Petroleum, Inc.	New Mexico State
3. Address of Operator	9. Well No.
P. O. Box 2515, Midland, Texas 79702	3
4. Location of Well	10. Field and Pool, or Whicat
UNIT LETTER G 1980 FEET FROM THE north LINE AND 1650 FEET FROM	East La Rica Morrow
THE east LINE, SECTION 2 TOWNSHIP 19S RANGE 34E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
3973' GR	Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) Drilled out from under surface casing to 1602'. Surveys showed deviation of 5° at 999' and 8-1/4° at 1602'.
- 2) Cemented hole w/770 sacks Class C containing 1# salt/sx from 1602' back into surface pipe at 540'.
- 3) Drilled new hole tagging top of cement at 510', (30' inside surface casing).
- 4) Drilled 12-1/4" hole to 4400'.
- 5) Set 105 jts. (4400') 8-5/8" J-55 8RD (2188') 32# and (2212') 24# casing at 4400' and cemented in two stages w/DV tool set at 2721'.
- 6) Cemented first stage w/525 sx. Class C. Bumped plug w/1500 psi. Float held okay. Dropped bomb and opened DV tool. Circulated through DV tool 2 hrs.
- 7) Cemented second stage w/575 sacks 65/35 Class C Lite Poz containing 6% D20 gel and 5# salt/sx. Plugged down at 11:00 p.m. 7-10-82.
- 8) WOC 18 hrs. Cut off casing.
- 9) NU BOP and tested BOP and casing to 3500# for 30 min., held okay. Picked up 7-7/8" bit and drilled ahead.

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

SIGNED Ed Robinson Ed Robinson TITLE Drilling Engineer DATE July 12, 1982

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE JUL 14 1982

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name --
2. Name of Operator Mid-America Petroleum, Inc.	8. Farm or Lease Name New Mexico State
3. Address of Operator P. O. Box 2515, Midland, Texas 79701	9. Well No. 3
4. Location of Well UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>1650</u> FEET FROM THE <u>east</u> LINE, SECTION <u>2</u> TOWNSHIP <u>19S</u> RANGE <u>34E</u> NMPM.	10. Field and Pool, or Wildcat East La Rica Morrow
15. Elevation (Show whether DF, RT, GR, etc.) 3973' GR	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

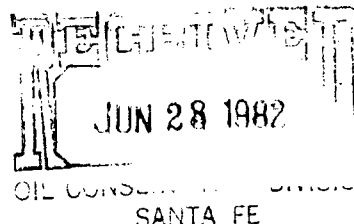
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

- 1) Move in and rig up Mid-America Drlg & Expl. Rig #3. Spudded 17-1/2" hole at 5:00 p.m. 6-21-82.
- 2) Drilled to 540'.
- 3) Set 13 jts. (547') 13-3/8" OD 48# H-40 ST&C casing at 540'. Cemented w/450 sacks Class C w/2% CaCl₂, 1/4# Flocele. Cement circulated to surface and circulated out 75 sacks. P.D. at 1:15 p.m. 6-22-82.
- 4) WOC 18 hrs. Cut off casing, installed head and BOP. Tested BOP and casing to 600 psi for 30 min., held okay.



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

SIGNED Ed Robinson Ed Robinson TITLE Drilling Engineer DATE June 23, 1982

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE JUN 25 1982
CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

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

Operator MID-AMERICA PETROLEUM, INC.			Lease NEW MEXICO - STATE		Well No. 3
Unit Letter G	Section 2	Township 19-S	Range 34-E	County LEA	
Actual Footage Location of Well: 1980 feet from the NORTH line and 1650 feet from the EAST line					
Ground Level Elev: 3973	Producing Formation Morrow		Pool East La Rica Morrow		Dedicated Acreage: 320 Acres

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

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

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

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

CERTIFICATION

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

Leland Franz
Name
Leland Franz

Position
Vice President

Company
Mid-America Petroleum, Inc.

Date
May 14, 1982

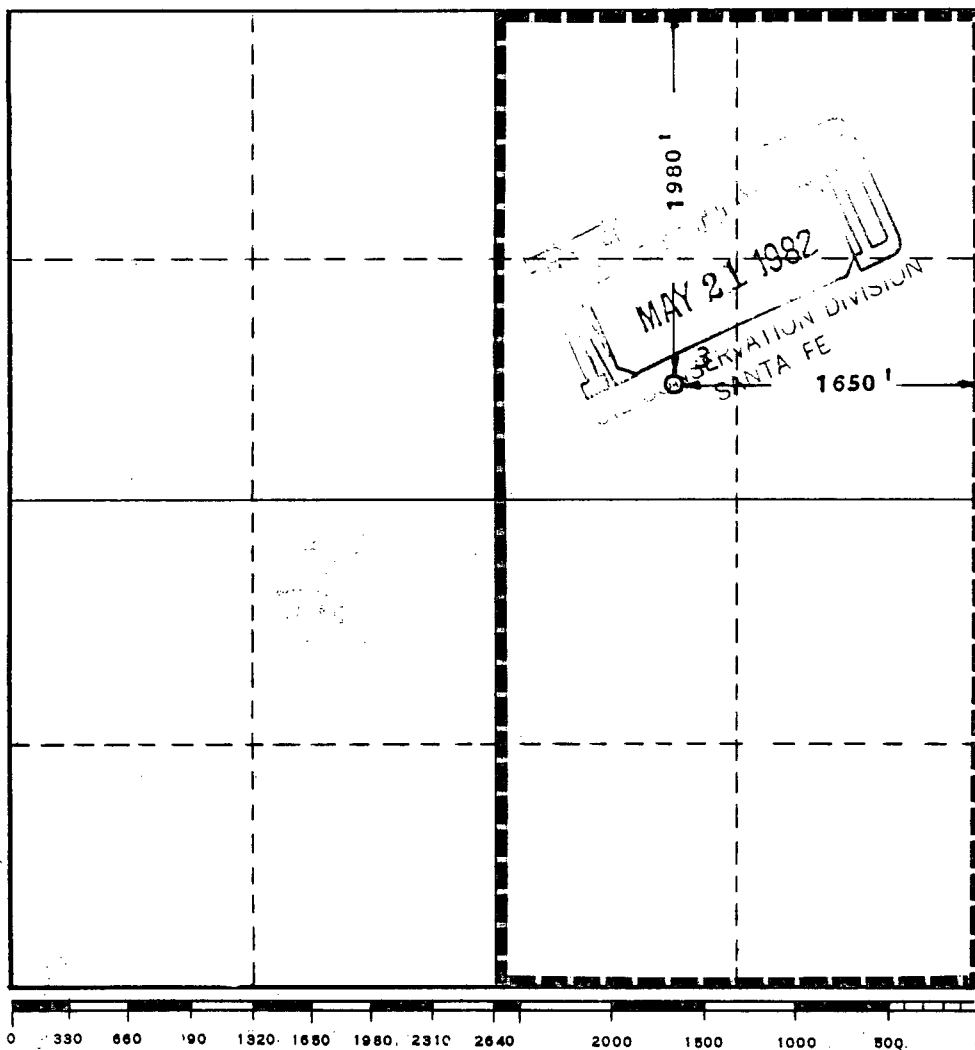
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
May 7, 1982

Registered Professional Engineer and/or Land Surveyor

Mark E. Shaw
Certificate No.

2189



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-101
Revised 10-1-78

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OPERATOR	

5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

DRILL ☒ DEEPEN ☐ PLUG BACK ☐

Type of Well

OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

Name of Operator

Mid-America Petroleum, Inc.

Address of Operator

P. O. Box 2515, Midland, TX 79702

Location of Well

UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE

1650 FEET FROM THE East LINE OF SEC. 2 TWP. 19S RGE. 34E NMPM

7. Unit Agreement Name

8. Farm or Lease Name

New Mexico State

9. Well No.

3

10. Field and Pool, or Wildcat
East La Rica Morrow

12. County
Lea

19. Proposed Depth 13,700	19A. Formation Morrow	20. Rotary or C.T. Rotary
21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Mid-America Drlg. & Expl.	22. Approx. Date Work will start 5-19-82

Elevations (show whether DF, KT, etc.)

3973' GR

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#	500'	550	Surface
12-1/4"	8-5/8"	32# & 24#	4400'	750	Surface
7-7/8"	5-1/2"	17#	13,700'	1000	9000'

Drill a 17-1/2" hole with fresh water to 500', run and set 13-3/8" casing, circulate cement to surface. WOC 18 hrs. NUBOP. Test casing and BOP to 600 psi. Drill out and drill ahead in 12-1/4" hole with cut brine to 4400'. Run and set 8-5/8" casing at 4400'. Cement with 750 sx., circulate cement. WOC 18 hrs. NUBOP. Test casing and BOP's to 2500 psi. Drill ahead w/cut brine in 7-7/8" hole. Mud up at 11,000' + to a 36 to 40 viscosity, 9.8# to 10.6# mud weight. Drill ahead to 13,700', drill stem testing significant shows as indicated from drilling time, samples, and mud log "kicks". Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. **MORT.**

* BOP 13 3/8" 5000#
8 5/8" 10000#

MAY 21 1982
OIL CONSERVATION DIVISION
SANTA FE

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 11-18-82
UNLESS DRILLING UNDERWAY

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

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

by Charles J. Love Title Production Manager Date May 14, 1982

(This space for State Use)

MOVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE MAY 18 1982

DITIONS OF APPROVAL, IF ANY:

*see above

Petroleum Information.

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COUNTY LEA FIELD Airstrip STATE NM
 OPR MID-AMERICA PETROLEUM, INC. API 30-025-27827
 NO 3 LEASE New Mexico State MAP
Sec 2, T19S, R34E CO-ORD
1980 FNL, 1650 FEL of Sec 4-2-28 NM
8 mi S/Buckeye SPD 6-21-82 CMP 3-10-83

CSC	WELL CLASS: INIT D FIN DO LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
13 3/8-540-450 sx				
8 5/8-4400-1100 sx				
5 1/2-13,680-1130 sx				
2 7/8-11,471				
	TD 13,680 (MRRW)		PBD	13,380

IP (Wolfcamp) Perfs 11,664-682 P 10 BOPD. Pot based on
 24 hr test. GOR TSTM; gty (NR)

CONTR Mid-America #3 OPRSELEV 3973 GL sub-s 23

F.R. 5-24-82
 PD 13,700 RT (Wolfcamp)
 4-9-83 AMEND FIELD & ZONE: Formerly LaRica, E.
 (Morrow)
 6-25-82 Drlg 1254 salt & anhy
 mw-brine, vis 38
 7-2-82 Drlg 2460 salt
 mw 10, vis 36
 7-9-82 Drlg 4322 lm
 mw 10.2, vis 35
 7-16-82 Drlg 5823 dolo
 mw 9.8, vis 28
 7-27-82 Drlg below 7000
 8-5-82 Drlg 11,562
 8-6-82 TD 11,671; Prep DST
 mw 10.2, vis 42
 8-19-82 Drlg 12,624
 mw 11.4, vis 45

4-2-28 NM

LEA
MID-AMERICA PETRO-
LEUM, INC.

Airstrip
3 New Mexico State
Sec 2, T19S, R34E

NM
Page #2

8-19-82 Continued
DST (Wolfcamp) 11,630-671, op 4 hrs,
rec 560 FT OIL (Sampler rec 650 CC
OIL + 650 CC O&GCM), ISIP 6228, FP
129-242, FSIP 6750, HP 6168-5904
8-24-82 Drlg 13,011
mw 11.2, vis 45
8-27-82 Drlg 13,331 1m & sh
mw 11.3, vis 39
9-3-82 TD 13,680; Rng Logs
mw 11.3, vis 49
9-10-82 TD 13,680; WOCT
10-1-82 TD 13,680; PBD 13,515; Prep Re-Perf
4-2-28 NM

10-1-82 Continued
Perf (Morrow) 13,546-552, 13,554-561,
13,563-567 w/1 SPF
Acid (13,546-567) 3000 gals + 1000 SCF
N2 per bbl
Swbd wtr w/SSG (13,546-567)
CIBP @ 13,515
Perf (Morrow) 13,462-471 w/1 SPF
Att to acid, could not break down
10-8-82 TD 13,680; PBD 13,515; Tstg
Perf (Morrow) 13,462-471 w/1 SPF
Acid (13,462-471) 250 gals
Swbd 2 BC + 1 BW (13,462-471)
10-15-82 TD 13,680; PBD 13,515; SIPBU
Acid (13,462-471) 3000 gals
Flwd 45 MCFGPD in 24 hrs thru 48/64 chk,
TP 80 (13,462-471)
4-2-28 NM

LEA
MID-AMERICA PETRO-
LEUM, INC.

Airstrip
3 New Mexico State
Sec 2, T19S, R34E

NM
Page #3

10-23-82 TD 13,680; PBD 13,380; Swbg
CIBP @ 13,380
Perf (Wolfcamp) 11,664-706 w/1 SPF
Acid (11,664-706) 7000 gals
Swbd 10 BLW w/NS (11,664-706)
10-29-82 TD 13,680; PBD 13,380; Tstg
Swbd 50 BF (95% wtr) w/SG (11,664-706)
11-5-82 TD 13,680; PBD 13,380; RUCT
11-12-82 TD 13,680; PBD 13,380; Trip
11-19-82 TD 13,680; PBD 13,380; Tstg
Sqzd (11,664-706) & DOC
Perf (Wolfcamp) 11,664-682 w/1 SPF
11-24-82 TD 13,680; PBD 13,380; Tstg

4-2-28 NM

11-24-82 Continued
Swbd 5 BO + 2 BW in 15 hrs (11,664-682)
12-3-82 TD 13,680; PBD 13,380; Tstg
Acid (11,664-682) 13,000 gals + 1000 SCF
N2 per bbl
Frac (11,664-682) 20,000 gals + 15,000# sd
12-10-82 TD 13,680; PBD 13,380; WOW
Swbd 7 BO + 5 BW in 3 hrs (11,664-682)
12-17-82 TD 13,680; PBD 13,380; WOPU
1-14-83 TD 13,680; PBD 13,380; Tstg
Ppd 5 BO + 7 BW in 9 hrs (11,664-682)
2-18-83 TD 13,680; PBD 13,380; Tstg
Ppd 5 BO in 24 hrs (11,664-682)
3-22-83 TD 13,680; PBD 13,380; WOSP
Ppd 10 BO in 24 hrs (11,664-682)

4-2-28 NM

LEA
MID-AMERICA PETRO-
LEUM, INC.

Airstrip
3 New Mexico State
Sec 2, T19S, R34E

NM
Page #4

4-4-83 TD 13,680; PBD 13,380; Complete
LOG TOPS: Rustler 1941, Bone Spring
8005, Wolfcamp 10,948, Strawn 12,190,
Atoka 12,495, Morrow 12,843
LOGS RUN: CBND, GRL, CCL
Rig Released 9-5-82
4-9-83 COMPLETION ISSUED

4-2-28 NM
IC 30-025-70443-82

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

Form C-101
Revised 10-1-78

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LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
1367N

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name Mid-American State	
2. Name of Operator Sun Exploration and Production Co.		9. Well No. 3	
3. Address of Operator P.O. Box 1861, Midland, Texas 79702		10. Field and Pool, or Wildcat Scharb-Bone Spring	
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>2</u> TWP. <u>19-S</u> RGE. <u>34-E</u> NMPM		12. County Lea	
19. Proposed Depth -		19A. Formation Bone Spring	
21A. King & Status Plug. Bond on file		22. Approx. Date work will start ASAP	
1. Elevations (show whether DF, RT, etc.) 3972' GR		21B. Drilling Contractor	

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	540	450	Surface
12 1/4	8 5/8	32 & 24	4400	1100	Surface
7 7/8	5 1/2	20 & 17	13680	1130	8000

1. MIRU PU. NU BOP (2-7/8" RAMS). MIRU NL MCCULLOUGH. RUN 5-1/2", 20# GAUGE RING ON NO. 20 JUNK BASKET TO ±11600'. WL SET 5-1/2" (17#) CIBP @ ±11600'. PERF BONE SPRING CARBONATE SET I 10484-10518 & SET II 10184-10218, 1 JSPF, TOTAL 70 HOLES VIA GEARHART GR/CD-CNL DATED 9-7-82 USING 4" OD, 22.5 GC, 0.53" EH CSG GUN. (PERFS CORRECTED TO GEARHART GR/CBL/CCL DATED 9-3-82 ARE: SET I 10489-10523, SET II 10187-10221.)

2. TALLY IN HOLE W/5-1/2" (17#) MOD 'G' LOK-SET RBP & MOD "EA" RETRIEVAMATIC PKR W/SN ON 2-7/8", 6.5#, J-55 & L-80 PRODUCTION TBG TO ±10540. LOAD HOLE W/2% KCL FRSH WTR. DROP SV TO SN. TEST TBG TO ±5800 PSI. FISH SV. SET RBP @ ±10540. PU TS TO ±10520.

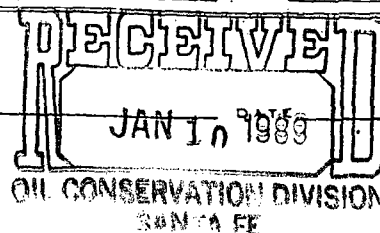
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Deft Ann Long Title Accountant Date 11-2-88

(This space for State Use)

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



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

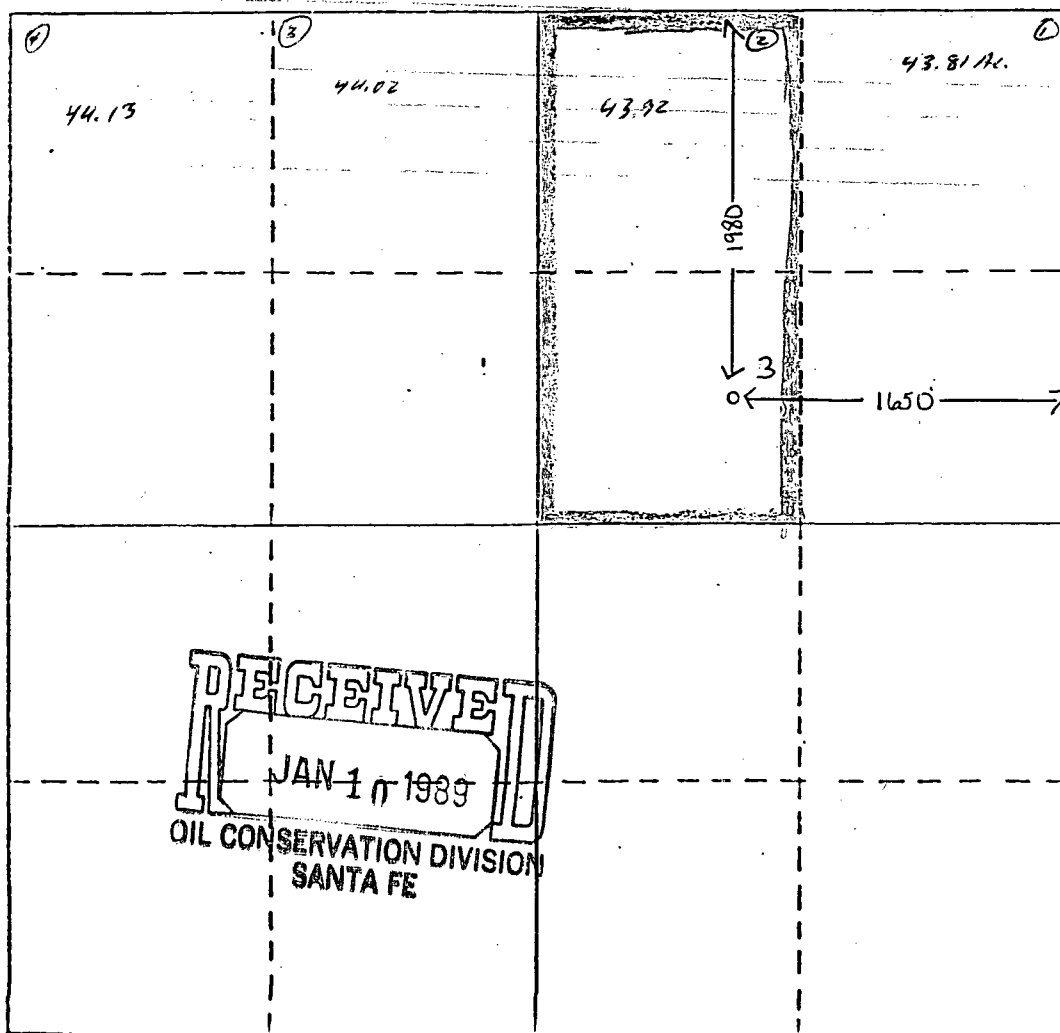
Operator Sun Exploration and Production Co.		Lease Mid-America State		Well No. 3
Unit Letter G	Section 2	Township 19-S	Range 34-E	County Lea
Actual Footage Location of Well:				
1980 feet from the North		line and 1650 feet from the East		line
Ground Level Elev. 3973'	Producing Formation Bone Spring	Pool Scharb-Bone Spring	Dedicated Acreage: 80 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.

Dee Ann Kemp

Name

Dee Ann Kemp

Position

Accountant

Company

Sun Expl. & Prod. Co.

Date

10-31-88

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

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

