97:20 103M 68-81-N9f.

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 Friendly Chuest Spots

BY: Y Coydo Man

TITLE: Director O-G Division

DATE: 1-18-89

GBW 68-81-MAT 8Z:70 01/I8 08:40

	80# 16) N C N C O	•	,,		
ENERGY AND MINERALS DEPAR	TMENT OIL C	ONSERVATION ON SERVATION		1	Form C-101 Revised 10-	1+78
DISTROUTION	541	ITA FE, NEW ME		[SA. Indicate	Type of Lagee
SANTA FE			~;···•		8747E	X []
FILE				};	S. State Oil &	Gas Lovae No.
U.S.G.S.				Ì	1367N	
LAND OFFICE				Ļ	minn	mmmm
OPERATOR						
	N FOR PERMIT TO	DRILL, DEEPEN,	OR PLUG BACK		7777777	<u> </u>
)a. Type of Work					7. Unii Agree	omani Nome
DRILL		DEEPEN [01.1	IG BACK X		·
b. Type of Well		WEEPEN [_]	PLU	C BACK [A]	8. Farm of L	ease Name
WELL X			SINGLE X	TONE	ama_bit	rican State
2. Name of Operator	OTHEA		TONE L.J.	ZONE L	9. Well No.	Tigan arase
Sun Exploration	and Producti	on Co.		1	2	
	and Hodace	OII ÇO:			Va 6: 14 -	d Pool, or Wildeat
3. Address of Operator	Madiana Tayon	s 79702		1		•
P.O. Box 1861,	Midiano, rexa	5 /9/02			Scharb-	Bone Spring
4. Location of Wall	* G Loc	ATER 1980 ,	PEET FROM THEN	orth_cine		
1650 FEET FROM .	East	F 0 P 5 & C. 7	19-S	34 - E NAPRA (
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			19. Froposed Depth	19A. Formation		23, Rotæy er C.T.
		///////////////////////////////////////	_	Bone Sp	ring i	
il. Elevations (show whether DF,	RT, etc./ 21A. Kind	6 Status Plug. Bend	21B. Drilling Contract	of .	22. Approx	. Date Work will start
3972' GR	1				ASAP	
23.						
	P	ROPOSED CASING AND	D CEMENT PROGRAM	l		
		1				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT			CEMENT	EST. TOP
17 1/2	13 3/8	48	5	40	<u>450</u>	Surface
12 1/4	8 5/8	32 & 24	44	00	1100_	Surface
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- 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.)

	5-1/2" (17#) MOD 'G' LOK-SET	
	SN ON 2-7/8", 6.5#, J-55 & L 1/2% KCL FRSH WTR. DROP SV T	
PSI. FISH SV. SET	RBP @ ±10540. PU TS TO ±105	520.
N ABOVE SPACE DESCRIBE PROPOSED PROGRAM, IF ANY		OBREW PRESENT PRODUCTIVE ZONE AND PROFOSCO NEW PROP
hereby certify that the information above is true and	s complete to the best of my knywledge and be	llef _e
signed DelT man form	Tule Accountant	Dose 11-2-88
(This space for State Use)	,	
·		
ONGITIONS OF APPROVAL, IF ANYL	TITLE	DATE
,		

Con't 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_SIE
- 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" RCN8S. 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 1-17 (CORROSION INHIBITOR)
2 GPT ACIGEL (FRICTION REDUCTION/FINES SUSPENSION)
10 GPT ACETIC ACID (IRON CONTROL)
10 GPT CITRIC ACID (IRON CONTROL)

8302001 #05 20.9 1002028 01/18 08:42 05:70 daw es-81-441

		R34E		R35E
7 18 5	34 Meridian	Mid-America N M State A"	36 No Operator	31
19	N.M. State "5"	N.M. State 2 No Operator School "2" State	No Operator N.M.Sidle 2 4 Pennzoil Pennzoil	6
S	10		12	7

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

LEA CO., NEW MEXICO

90 JO 90#

1002088

18-89 WED 01/18 08:43

* STATE OF NEW MEXICO .
ENERGY AND MINERALS DEPARTMENT

Р. О. ДОХ 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78-

All distances must be from the outer boundaries of the Section. Well No. Operator Sun Exploration and Production Mid-America State Section Home County 2 19-5 34 - ELea Actual Footage Location of Well: North 1650 teel from the East 1980 feet from the Dedicated Acreage: Lound Level Clev. Producing Formation Scharb-Bone Spring 3973! Bone Spring Actes 1. Outling the acrenge dedicated to the subject well by colored pencil or hachare 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? If answer is "yes." type of consolidation . ☐ No 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, climinating 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 deliet. Name Dee <u>Ann Kemr</u> Postiton <u>Accountan</u>: Company ال كما ا Sun Expl Prod 10-31-88 I hereby certify that the well location shown on this plat wax platted 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. Dote Surveyed Registered Professional Engineer and/or Land Surveyor Centificate No. 1370 1460 1880 2310 1 100 1000 *00

8305001 #01 8305001 #01 144-18-89 WED 01:26

COVER SHEET

PLEASE GIVE INFORMATION TO MR. FLOYD PRODENO IN THE STATE LAND OFFICE

INFORMATION FROM: DEE ANN KEMP

SUN EXPL. & PROD. CO.

(915) 688-0374

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

6 PAGES sent including this page.

STATE OF NÊW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS GOVERNOR

POST OFFICE BOX 2088 STATE LAND DELICE 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

Application for an Unorthodox RE:

> 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.

Michael E. Stogner

Administrative Application Reviewer

MES/ag

Talked w/ Dee Imn Kensh
is contucting the State
hend Office Coffee unleaved
acreese to the Search I for
notification herefore.

Talked w/ Ms. Kemp on 1/5/89, such reducted what my letter said and arhal for.



author NSL

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 Explortion 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 Accountant

CC: New Mexico Oil Conservation - Hobbs

DEC 27 1933 (11)

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

Samuel Operations R35E R34E 34 36 31 Mid-America N M State "A" No Operator Meridian No Operator N.M.State N.M. State N.M. State "B" * × * 6 No Operator Pennzoil 水 立た wir u Scharb "2" State T 9#1 Dalmont 19 Oxyco S 10 11 12 7

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

LEA CO., NEW MEXICO

Order No. R-2589, Adopting Temporary Operating Rules for the Scharb-Bone Springs Pool, Lea County, New Mexico, October 30, 1963, as Amended by Order No. R-2589-C, April 13, 1983.

Order No. R-2589-B, November 24, 1964, 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, 1963, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Comervation 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, 1963, the Commission, a truorum being present, having considered the application, it quorum being the treatment of the sping to the Examiner, Dániel S. Nutter, and being fully advised in the premises,

subject r FINDS:

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

(2) That the applicant, Big (6) Drilling Company, seeks extension of the horizontal limits of the Scharb-Bone Springs (6) in 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, Lee County, New Mexico.

N. Septem

(3) That the applicant also seeks the promulgation of special rules and regulations governing said pool, including provisions for 80-acre specing units comprising any two contiguous 40-acre tracts, and for fixed 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 correlative rights, temporary 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 provide for 50-acre spacing units comprising the N/2, 5/2, £/2, or W/2 of a single governmental quarter section; that due to 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 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 establish the area that can be efficiently and economically trained and developed by one well.

(8) That this case should be reopened at an examiner hearing in October, 1964, 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. (I) 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

R. W. Byram & Co., · May, 1983

(SCHARB-BONE SPRINGS POOL · Cont'd.)

SECTION

(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 foil 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 on a standard unit Bone Springs oil Pool shall be located on a standard unit. D. Care W. 20 a single governmental quarter section; provide D. D. Care W. 20 a single governmental quarter section; provided 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 without notice and hearing when an application has been filed for a non-standard unit comprising a single quarter-quarter section of lot. All operators offsetting 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.

2. RUIE 4. (As Amended by Order No. R.2589-C. April 13, 14/1983.) Wells may be located in either quarter-quarter section in the proration mut provided that any such well shall be located within 200 feet of the center of the quarter-quarter section.

RUIE 5. The Secretary-Director may great an exception to the footage requirements of Ruis 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 330 feet to the outer boundary of the unit. All operators offsetting 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 diste operators of in offset operators has entered an objection to the unorthodox

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

RULE 6. A standard prenation 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 proration 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 provation 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 Rubes 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, and edicate to existing and future wells within said area any two quarter-quarter sections configuous by a common bordering side and lying wholly within said area.

(2) That any wall drilling to or completed in the Bonre Springs for IP Bonre Springs (Dil PBO) or withman formation within the Scharb-Bone Springs Poll of the Scharb-Bone Springs Poll of the Scharb-Bone Springs Poll of being Cottober 9, 1963; that will not comply with the well of beating requirements of Rule 4 is hereby granted an exception of the sequence of any such who is about the sequence of the sequence of any such which shall the sequence of the seque

(3) That any operator desiring to dedicate 80 acres to a well presently drilling to or completed in the Scharb-Bone Springs Oil Pool shall file a new Form C128 with the Commission on or before November 15, 1963.

(4) That this case shall be reopened at an examiner hearing in October, 1964, at which time the operators in the subject posi-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.

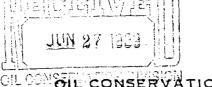
ij

Mexico Page

3

A/C 915-688-9375

DISTRIBUTE	0 M		
SAMTA PE			
PILE			
V.8.0.4.			
LAND OFFICE		_	
TRANSPORTER	016		
	GAS		
DPERATOR			
PROBATION OF	HC.E		



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

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

GIL COM CIL CONSERVATION DIVISION P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

GAA		REQUEST FOR	R ALLOW	ABLE	_	
PROBATION OFFICE			ND		·	×
r	AUTHORI	ZATION TO TRANSF	PORT OIL	_ AND NATU	RAL GAS	
Operator						
Sun Exploration & Produ	ıction Co.					
P. O. Box 1861, Midland	i, Texas 79	702				
Reason(s) for filing (Check proper box,				Other (Please	espiain)	
New Aell	Change in	Transporter of:	•	Change	e Lease Name fro	m
Recompletion	Out	o _r	y Gas	, -	exico State No.	
Change in Ownership	Castno	phead Gas Ca	ondensate	1		.
If change of ownership give name and address of previous owner	· · · · · · · · · · · · · · · · · · ·					
II. DESCRIPTION OF WELL AN						·
Mid-America State	Well No.	Pool Name, Including Fo Airstrip Wol	•		Kind of Lease	Locate 3.007
	للسلل	All Strip Wol	TCallip		State, Federal or Fee	State 1367
Unit Letter :	Feel From	North Lin	• and	1650	Feet From The	ast
Line of Section 2 Tov	mahip 19-S	Range	34-E	, ММРМ	, Lea	Co
TI DECIGNATION OF THE COLUMN						
III. DESIGNATION OF TRANSF		IL AND NATURAL	. GAS	(Cur address)	o which approved copy of	this form is to be sent!
Permian	<u></u>		I .		uton, Texas 770	
Name of Authorized Transporter of Cas NONE	inghead Gas	or Dry Gas	Address	(Cive address)	o which approved copy of	this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit Sec.	Twp. Rge. 19-S 34-E	1	Gas	d? When	
If this production is commingled wit	h that from any	other lease or pool,	give com	mingling order	number:	
NOTE: Complete Parts IV and		-	-			
			11		ONCEDUATION OF	
VI. CERTIFICATE OF COMPLIA	NCE		`	OIL C	DNSERVATION DIV	ISION 10
I hereby certify that the rules and regulation	ons of the Oil Cor	servation Division have	APPR	OVED	JUN & 4 198	10
been complied with and that the information					>MM	
my knowledge and belief.			BY_	726	al, // a	
	_		TITLE	- -	Geologist	
11 . 0	' ,)		11			
Maria I.	Pese				be filed in compliance	
Accounting Associate (Signa	iwe).		well, t	his form must	seat for allowable for a be accompanied by a well in accordance with	tabulation of the dev
6-22-88 (Tie	le)		able o	n new and rec	this form must be filled completed wells.	-
A/C 915-688-9375	·e/		well no	II out only 3	ections I, II, III, and, or transporter, or other	VI for changes of o such change of cond

completed wells.

STATE OF NEW MEXICO	·
ENERGY AND MINERALS DEPARTMENT	Form C-104
	Revised 10-01-78
OIL CONSERVA	ATION DIVISION Format 05-01-83 Page 1
IIN 13 1988 19 80	X 2088
U.S.O.S. SANTA PE-NEV	MEXICO 87501
LAND OFFICE DIVISION	
SANTA FEREQUEST FOR	RALLOWABLE
OPERATOR	ND .
AUTHORIZATION TO TRANS	PORT OIL AND NATURAL GAS
Coperation Coperation	
Sun Exploration & Production Co.	•
Address	
P. O. Box 1861, Midland, Texas 79702	•
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well Change in Transporter al:	Operator Change
Recompletion Oil Di	y Gas Effective 6-1-88
Change in Ownership Casinghead Gas Co	ondensate (Oil Well)
If change of ownership give name Mid-America Petroleum, and address of previous owner	Inc., P. O. Box 3023, Midland, Texas 79702
II. DESCRIPTION OF WELL AND LEASE	•
Lease Name Well No. Pool Name, including F	
New Mexico State 3 Airstrip Wolfc	amp State, Federal or Fee State 1367N
Unit Letter G : 1980 Feet From The North Lin	e and 1650 East
1	
Line of Section 2 Township 19-5 Range	34-E , NMPM, Lea County
	County County
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL	County County
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL Name of Authorized Transporter of Oil (A) or Condensate	. GAS Address (Give address to which approved copy of this form is to be sent)
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL	. GAS
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL Name of Authorized Transporter of Oil (A) or Condensate Permian Corporation	GAS Address (Give address to which approved copy of this form is to be sent) Box 1183, Houston, Texas 77001
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL Name of Authorized Transporter of Oil A or Condensate Permian Gorporation Name of Authorized Transporter of Casingnead Gas or Dry Gas None	GAS Address (Give address to which approved copy of this form is to be sent) Box 1183, Houston, Texas 77001
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III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL Name of Authorized Transporter of Oil or Condensate Permian Corporation Name of Authorized Transporter of Casingnead Gas or Dry Gas None If well produces oil or liquids, Unit Sec. Twp. Rge. give location of tanks. G 2 19-5 34-E If this production is commingled with that from any other lease or pool. NOTE: Complete Parts IV and V on reverse side if necessary. VI. CERTIFICATE OF COMPILANCE 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.	GAS Address (Give address to which approved copy of this form is to be sent) Box 1183, Houston, Texas 77001 Address (Give address to which approved copy of this form is to be sent) Is gas actually connected? When No Gas give commingling order number: OIL CONSERVATION DIVISION APPROVED JUN 1 1988 19 BY TITLE This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or despect
MII. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL Name of Authorized Transporter of Oil or Condensate Permian Corporation Name of Authorized Transporter of Casingnead Gas or Dry Gas None If well produces oil or liquids, Unit Sec. Twp. Rge. give location of tanks. G 2 19-5 34-E If this production is commingled with that from any other lease or pool. 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.	Address (Give address to which approved copy of this form is to be sent) Box 1183, Houston, Texas 77001 Address (Give address to which approved copy of this form is to be sent) Is gas actually connected? No Gas give commingling order number: OIL CONSERVATION DIVISION APPROVED TITLE This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or despect
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HI. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL Name of Authorized Transporter of Oil a or Condensate Permian Gorporation Name of Authorized Transporter of Casingnead Gas or Dry Gas None If well produces oil or liquids, que location of tanks. G 2 19-5 34-E If this production is commingled with that from any other lease or pool. 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.	GAS Address (Give address to which approved copy of this form is to be sent) Box 1183, Houston, Texas 77001 Address (Give address to which approved copy of this form is to be sent) Is gas actually connected? when No Gas give commingling order number: OIL CONSERVATION DIVISION APPROVED JUN 10989 19 This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deepene well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

A/C 915-688-0375

icagy and minerals di		- 10 m	•	
	OIL	CONSERVATIO	N DIVISION	·
DISTRIBUTION	· ·	P. O. BOX 208	8	Form C-103
SANTA FE	SA	NTA FÉ, NEW MEX	CICO 87501	Revised 10-
FILE		•		5a. Indicate Type of L. tae
U.S.G.S.				State XX Fee
LAND OFFICE	+-+		•	5. State Oil 6 Gas Leese No.
OPERATOR				1367N .
(DO NOT UDE THIS FOR		D REPORTS ON WELL	A BIFFFARMY RESERVAN	
en X see		197.		7. Unit Agrooment Name
ome of Operator				8. Ferm or Legac ligate
	Petroleum, Inc.			New Mexico State
P. O. Box 25	15, Midland, Texas	s 79702 🧭 🔍	()	9. Well No.
ocation of Well	· · · · · · · · · · · · · · · · · · ·			10. Pield and Pool, or Wildcat
wart Letter G	1980	North	1650	
	2	198	34E	
East	w£, scc71 0 0	— -	=	
mmm		ration (Show whether DF, RT	' CP as l	
	//////////////////////////////////////	3973' GR	, OK, etc. /	Lea
PONN NEMEDIAL WORK	PL.	Comm	CIAL WORK CHCE BRILLINE OFNS. 4 TEST AND CEMENT JOS	ENT REPORT OF: ALTERING CASING PLUS AND ASSAUDSHMENT
~~		— — — •••	HEA	
		 -		
We would requat at a later ti	est that the well me we could go bac the worked should	above mentioned be k and test some ne be started within	temporarily aband w zones. the next six mont	
				en e
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		•	å.	
			Í	

Production Clerk April 21, 1983 APR 25 1983

Εħ	ETATE OF NEW MAXED REPGY AND MINERALS DEPARTMENT	OIL CONSERV	/ATION	DIVISION		form C-10 Revised 1)4 10-1-78
	EANTA FE	SANTA FE, NE	W MCXI	CO 87501			
	U S.O.S. EAND OFFICE OIL	REQUEST F	OR ALLOW	ABLE			
	DAS OPT SATOR		ANU				
1	Cherator			AND HATOKAE (AS			
	Mid-America Petro	leum, Inc.					·
	P.O. Box 2515, Mi						
	Reason(s) for filing (Check Moper bo	change in Trunsporter of:		Other (Fleate captorn) CASINGHEAD (AS MUŞ	T NOT I	s E
	Recompletion Change in Ownership	Oil Dry C	504	UNLESS AN EX			
	If change of ownership give name and address of previous owner	THIS WELL HAS BEEN P	PLACED IN T	HE POOL			
11.	DESORIPTION OF WELL AND	LEASE NOTIFY THIS OFFICE.	Formation	Kind of Leas	•		Leghe it
	N.M. State	3 Airstrip Wol	fcamp	. State, Federa		tate	
	Unit Letter G ; 198	BO Feet From The North L	Ine and	1650 Feel From	т»• <u>Ea</u>	st	
	Line of Section 2 To	whentp 195 Range	34E	, кием. Lea			County
·:I.	DESIGNATION OF TRANSPOR	TER OF OIL AND NATURAL G	AS Address (C	Give address to which appro	ved copy of i	his form is to	be sens
	The Permian Corpora		Address (C	Box 1183, Houston	ved copy of t	7001 his form is so	be sentj
	If well produces oil or liquids, give location of tanks.	Onit Sec. Twp. Rgc. G 2 19S 34E	Is gas gate	No gas	rn		
	If this production is commingled with COMPLETION DATA	th that from any other lease or pool,	give comm	ingling order number:			
	Designate Type of Completi	on - (X) Ost Well Gas Well	New Well	Workover Deepen	Plug Back	Same Resty	Coff. Ees
	Date Speaded 6-21-82	Oate Compl. Ready to Prod. 9-5-82	Total Dept	3,680'	P.B.T.D.	13,380'	
	Elevations (DF, RKB, RT, GR, etc., 3973 GR	Vame of Producing Formation Wolfcamp Lime	Tep Oil/G	s Pay	Tubing Dep		
	Performance 11,664-11,682	19 holes	· · · · · · · · · · · · · · · · · · ·	,	Depth Cast	ng She•	
		TUBING, CASING, AN	D CEMENT!		<u> </u>		
	HOLE SIZE 3 14 4 1	13-3/8"		540'		Class "	
	12-1/4"	8-5/8"		4400'	525 Cl.C	+ 575 C	lass "C
	7-7/8"	5-1/2"	<u> </u>	1360'	730 C1.H	1 + 400 C	lass "H
	TEST DATA AND REQUEST FOOL WELL Date First New Oil Bun To Tooks	OR ALLOWABLE (Test must be a able for this de	pth or be for	of social volume of load oil of full 24 hours) Steinod (Flow, pump, gas li)		qual to or exc	esed top all:
	2-5-83	3-10-83		mping	1 800 1 800		
	Length of Test	Tubing Pressure	Casing Pre	•••	Chore Size	en.	
Ì	Actual Pred. During Test	OII - 9 bi s.	Water - Bble		Gas-Mar)	
ţ		10	L0=	·	-0		
Г	GAS WELL Actual Prod. Tool-MCF/D	Langth of Test	Bbla. Cond	*a*gi*/A!MCF	Gravity of C	Condensus	
-	Teeting Method (pitot, back pr.)	Tubing Pressure (Shut-in)		sure (Shot-in)	Choke Size		
			Continue				
	CERTIFICATE OF COMPLIANC		APPROX	DIL CONSERVATION MAR 2219	B3 DIVIS	JION Jo	·
1	hereby certify that the rules and re Division have been compiled with bove is true and complete to the	and that the information given	ву	Louis			
			TITE	DISTRICT 1 SUPERVI	SOR		
	Della: Thron	12200		form is to be lived in to			
-	Engineering Assistant	(60)	well, this tests tak	form must be accompaned on the well in accord	ind by a teb ance with f	outstion of the	he davieti
-	(Tal	rch 18, 1983	able on n	sections of this form muster and recompleted well	14.		
	(Dut		well name	out only Sections I, II, or number, or transports rate Forms C-104 must	n or other so	och change o	of committee
	•	'.	completer			,	

·:I.

NE MILENICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

		All distances must be from	n the outer boundaries of	the section.	
Operator MID=	AMERICA PETRO		NEW MEXIC	O - STATE	Well No.
Unit Letter G	Section 2	Township 19-S	Range 34—E	County	
Actual Footage Loc	ation of Well:	NORTH line and	1650	et from the EAST	line
Ground Level Elev: 3973	Producing For		ool .		Dedicated Acreage:
		ted to the subject well	Airstrip Wo		he plat below.
2. If more th			-		thereof (both as to working
dated by c	ommunitization, u	nitization, force-pooling	g. etc?		f all owners been consoli-
Yes		nawer is "yes;" type of			
	is "no," list the f necessary.)	owners and tract descri	ptions which have a	ctually been consolic	lated. (Use reverse side of
				•	nmunitization, unitization, n approved by the Commis-
	•				CERTIFICATION
				11	certify that the information con-
	1		086	best of	my knowledge and belief.
	+			Nome Debi	ble / Nompean Die Thompson
				Position	duction Clerk
!			3 1650	Company	
) 	1			Date	nerica Petroleum, În
	<u> </u>				
		*		11	y certify that the well location n this plat was plotted from field
	, F			notes o	f actual surveys made by me or y supervision, and that the same
	। । । । । । । । । । । । । । । । । । ।	130%		i i	and correct to the best of my ge and belief.
		Tell 1		Date Surve	· _
; ; ;	100000	OH /	i i	Registered ond/or Lor	Professional Engineer ad Surveyor
				m	enle & Shows
. 330 660	100 1320 1050 100	0 2310 2040 2000	1800 1000	Centificate	No. 2189

				, ,					5-27827
NO. OF COPIES RECEIVE	0			•				Form C+1 Revised	
CISTRIBUTION							Г		Type of Lease
SANTA FE			MEXICO OIL COI					State X	
FILE	\	YELL COMPLE	TION OR REC	OMPLETIC	A NC	EPORT AN	D LOG		Gas Lease No.
U.S.G.S.							İ	5. State Off 6	- Ods Ledse No.
LAND OFFICE								~~~~~	- ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
OPERATOR							1		
		•					- 6		
la. TYPE OF WELL								7. Unit Agree	ment Nome
	OIL	L X GAS					•		
b. TYPE OF COMPLE		נ[<u>∧</u> ₩צננ	URY L	OTHER				8. Farm or Le	ease Name
NEW V WOR	'× 🖳	PLUG	DIFF.				}	New Mexic	co State
2. Name of Operator	H DEEPE	NL BACK	RESVR	OTHER				9. Well No.	
1	N - 4 7	7							
Mid-America	etroleum,	inc.						3	
3. Address of Operator									Pool, or Wildcat
P.O. Box 251	5, Midland,	Texas 797	02					Airstr	ip_Wolfcamp
4. Location of Well								111111	
				•			1		
UNIT LETTER G	1	980	North			1650			
UNIT LETTER	LOCATED	FEET FR	OM THE	LINE AND	777	7777777	ET FROM	12. County	<i></i>
East	0	100	0.4 =		////	[[[]]]	11111		
THE LINE OF		WP. 19S RGE			777	MIIII	77777	Lea	7//////////////////////////////////////
15. Date Spudded	1	establed 17. Date		Prod.) 18.			.B, KT, ĢF	R, ctc.) 19. E	iev. Cashinghead
6-21-82	9-5-82	12-	20-82	1	397	73 GR			3973
20. Total Depth	21. Plu	Back T.D.		le Compl., Ho	ow	'23. Intervals	Rotary	Tools	, Cable Tools
13,680	13	,380	Many			Drilled B	0-1	3.680	· –
24. Producing Intervai(s), of this complet	ion - Top, Bottom	, Name						. Was Directional Survey
									Made
11,664' - 11	,682' Wolfe	amp							lo
00 70 50-	1 - 1 - 72 -							20 1//	- 11 0 1
26. Type Electric and O		0.0						27. Was	s Well Cored
CNL-FDC Dual	Induction	GR						1 1	10
28.		CAS	ING RECORD (Rep	ort all string	s set	in well)			
CASING SIZE	WEIGHT LB.	FT. DEPTH	SET HO	LE SIZE		CEMENT	ING RECO	RO	AMOUNT PULLED
13-3/8"	48#	540	17_	1/2"	450	sx Clas	c 11(11		None
8-5/8"	32# & 24#			1/4"				575 sx.Cl	
5-1/2	20# & 17#	13,680		7/8"					
	2011 & 1711	13,000		70		sx. Cl.		PUZ +	None
		<u> </u>			1 4	00 sx C1			
29,	<u>L</u>	INER RECORD				30.	TL	JBING RECOF	8D
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	+	TH SET	PACKER SET
						2-7/8"	11,4	71'	None
31. Perforation Record (Interval, size and	number)		32.	ACID	SHOT, FRA	CTURE. C	EMENT SQUE	EZE ETC.
,	,	,,		DEPTH					MATERIAL USED
11,664' - 11,	.6821 .025	19 holes	1 jspf						
	,,,,	15 110103	1 J3p	13,546	-13,				1000 scf N ₂ /
				11 664		3	<u>000 ga</u>	ls. 15% H	<u>{C I</u>
	4P - 1 - 1			11,664	-11,	706 /	<u>000 qa</u>	<u> (s.15% HC</u>	l acid frac
				<u> </u>			<u>0,000 (</u>	<u> 5000# 20/</u>	40 9000# 100
33.				UCTION			esh, 20	0% acid.	
Date First Production 12-2-82		/2" x 1-1/2			nd typ	e pump)		Well Status (Prod. or Shut-in)
Date of Test	Flours Tested	Choke Size	Prod'n. For	Oil - Bbl.		Gas - MCF	Water		Gas - Oil Ratio
3-10-83	24	open	Test Period	10	1	TST!1		0-	- 0-
Flow Tubing Press.	Casing Pressure		Oii – Bbl	Gas -	MCF		Bbl.		ravity = API (Corr.)
		Hour Rate	10	1	STM	""		. 011 G	
24 Diaposition of Co. (Sold weed to to	I wantail sis b	1 10	1 1			-0-		40
34. Disposition of Gas (. N/A	oua, usea for fue	i, vented, etc. j. *					Test	Witnessed By	
35. List of Attachments								_	
Inclination F	Report, DST	, logs, & f	ormation red	cord					
36. I hereby certify that	the information s	hown on both sides	of this form is tru	e and comple	te to	the best of my	knowledge	e and belief.	
\sim	*.	- J					-	,	

DATE March 18, 1983

INSTRUCTIONS

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

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

		Sout	heastern	New Mexi-	CO				Northy	restem N	ew Mexico	
T. Anhy	1941	•	т	Canyon _			T Oio a	Alamo		т	Penn. "B"	
					1.0	100					Penn. "C"	
R Salt			Т	Atoka	12,						Penn. "D"	
											Leadville	
											Madison	
											Elbert	
											McCracken	
											Ignacio Qtzte	
											Granite	
	-											
T. Drink	card		Т.	Delaware	Sand -		T. Entra	da		т.		
T. Abo.												
T. Wolfe	amp1	0 , 948	т.	Morrow	<u>LS</u>	12,843	T. Chinl	е		т.		
T. Penn			T.				T. Perm	i an		т.		
T Cisco	(Bough (C)	т.				T. Penn	. ''A''		Т.		
					0	IL OR GAS	SANDS	OR ZOI	NES			
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											to	
No. 3, from	n		******	to			No. 6, fro	m			to	
•								,		•		~~~
						IMPORTANT	T WATER	SANDS	5			
include da	ita on rati	e of water	inflow an	d elevation	to wh	ich water rose	in hole.					
No. 1, from	n	******	••••••••		to				feet.	**********	***************************************	
							S	- 1				
									fect.	***********		
No. 3, from	n		• • • • • • • • • • • • • • • • • • • •	*************	!0		<u> 55 191</u>	<u> </u>		***********	***************************************	•••••
No. / Com						111						
140. 4, 1101	n	•••••••		······································	to	200 (20) 35	EVATION	I-DIATEL	.lcet. الألك			•••••
				ORMATIO	IN KE	TAKE CANGELL-	aggitional	- sneets i	t necessa	ry)		
From	To	Thickness		F	nation		From	T -	Thickness			
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NEW MEXICO STATE NO. 3

Formation Record

FROM	Т0	THICKNESS IN FEET	FORMATION .	FROM	T0	THICKNESS IN FEET	FORMATION
0 540 835 1,215 1,615 1,794 1,955 2,460 2,943 3,548 3,548 3,548 3,548 4,322 4,400 4,464 4,765 5,101 5,377 5,823 6,261 6,435 6,818 7,680 8,027 8,310 8,524 8,940 9,168 9,570 9,904 10,200	540 835 1,215 1,615 1,794 1,955 2,460 2,943 3,361 3,548 3,682 3,889 4,120 4,464 4,765 5,101 5,823 6,261 6,435 6,285 7,680 8,310 8,524 8,940 9,168 9,16	540 295 609 400 179 176 505 483 421 184 177 207 231 63 64 301 336 451 418 494 383 467 395 447 283 214 319 228 402 334 296 216	Surface Detritus Cmt. & RB RB & Anhy. Anhydrite Anhy. & Lime Anhy. & Salt Salt Anhydrite Lime Anhy. & Lime Lime Lime Lime Lime Lime Lime Lime	10,416 10,691 10,742 10,898 11,157 11,387 11,562 11,671 11,752 11,837 11,923 12,012 12,104 12,148 12,206 12,316 12,433 12,521 12,566 12,624 12,702 12,776 12,866 12,963 13,011 13,114 13,220 13,331 13,375 13,435 13,675	10,691 10,742 10,898 11,157 11,387 11,562 11,671 11,752 11,837 11,923 12,012 12,104 12,148 12,206 12,316 12,433 12,521 12,566 12,702 12,776 12,866 12,963 13,011 13,114 13,220 13,331 13,375 13,435 13,624 13,675 13,680	275 51 156 259 230 175 109 81 85 66 89 94 58 110 117 88 45 90 97 48 106 111 44 60 78 109 45	Shale Shale Lime & Shale Shale Shale Lime Lime & Shale Lime & Shale

INCLINATION REPORT

Mid-America Petroleum, Inc. P. 0. Box 2515

Midland, Texas 79702

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

													•		•		•							
13375	12148	11671	10492	9030	8125	7222	6308	5367	4267	· 3750	3361 .	2389	_ 1917	1740	1615	1542	1425	1369	1118	935	878	253	(feet)	Measured Depth
12.27	4.77	11.79	14.62	9.05	9.03	9.14	9.41	11,00	5.17	3.89	9.72	4.72	1.77	1.25	.73	1.17	.56	2.51	1.83	.57	6.25	2.53	(100s of feet)	Course Length
1-3/4	1	1-3/4	1-1/4	1-3/4	3/4	1/2	1	3/4	1-1/4	3/4	3/4	2	1-3/4	H	0	1/4	3/4	1-1/2	2	2-3/4	w	4	(Degree)	Angle of Inclination
3.05	1.75	3.05	2.16	3.05	1.31	.87	1.75	1.31	2.16	1.31	1.31	3.49	3.05	1.75	.00	.44	1.31	2.62	3.49	4.80	5.23	6.98	100s feet	Displacement per
37.42	8.35	35.96	31.58	27.60	11.82	7.95	16.46	14.41	11.16	5.09	12.73	16.47	5.40	2.19	.00	.51	.73	6.58	6.39	2.74	32.69	17.66	(feet)	Course Displacement
311.89	274.47	266.12	230.16	198.58	170.98	159.16	151,21	134.75	120.34	109.18	104.09	91.36	74.89	69.49	67.30	67.30	66.79	66.06	59.48	53.09	50.35	17.66	(feet)	Accumulative Displacement

Prepared by: Lobbus 7

Subscribed and Sworn to this 18th day of March, 1983.

Notary Public in and for the State 2-7-84

Contractor.

19S

34E

Lea

Formation Wolfcamp Lime

Elevation 4025' KB

Buckeye

New Mexico

Rig No.

Spot_

Sec. _

Twp._ Rng._

Field_

State_

County_

M.A.D.E. Drilling Co.

1980'FNL-1650'FEL

LYNES, INC.

7 7/8"

2 1/4"

11671'

553'

4 1/2" 16.60

11630'-11671'

Bottom Hole

Conventional

Top Choke 1/4" & 1/2" x 6"

Bottom Choke_

Size Rat Hole.

Size Wt. Pipe_

I. D. of D. C.

Total Depth_

Length of D. C.

Interval Tested_

Type of Test ...

Size & Wt. D. P.

Size Hole_

Box 12486 Houston, TX 77017

Address

See Distribution

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

Bottom Hole Temp	209 ⁰ F
Mud Weight	9.8
Gravity	40 @ 82 ⁰ F
Viscosity	43

Tool opened	@	4:40pm
-------------	----------	--------

•		
1		
\int		
		<u></u>
	@ © E)

Ins	ide R	ecorder	
PRD Make Kus	ter K	- 3	
No. 21680 Cap.			
Press		Corrected	
Initial Hydrostatic	Α	5975	
Final Hydrostatic	K	5950]
Initial Flow	8	177	
Final Initial Flow	С	180]
Initial Shut-in	D	5953	1
Second Initial Flow	E	177	1
Second Final Flow	F	261	1
Second Shut-in	G	6446	1
Third Initial Flow	Н		1
Third Final Flow	1	,]
Third Shut-in	J]

Lynes Dist.:.	Hobbs	, NM	
		Ragsdale	
Witnessed B			

Yes Oil No Water No Did Well Flow - Gas _

RECOVERY IN PIPE:

560' Free oil = 2.81 bbl.

Top Sample R.W.:

40 Gravity oil @ 80°F

Middle Sample R.W.:

.03 @ $78^{\circ}F = 200,000 + ppm$. C1.

Bottom Sample R.W.:

 $.02 @ 78^{\circ}F = 200,000 + ppm. Cl.$

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.

Operator	New Mexico State#3 Well Name and No.	DST N
	Outside PRD Make Kuster I No. 19012 Cap. 7875 Press 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	(-3
	Pressure Below Sottom Packer Bled To	
	Packer Bled To PRD Make NoCap	@
	PRD Make Cap	@
	PRD Make Cap Press Initial Hydrostatic A	
	PRD Make Cap Press Initial Hydrostatic A Final Hydrostatic K	
	PRD Make Cap Press Initial Hydrostatic A Final Hydrostatic K Initial Flow B	
	PRD Make	

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 INSUFFICENT 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 (MIM)	(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

Gas Volume Report

	u microu	Petroleum, Ir Operator		New Mexico State #3 Well Name and No. DST						
FI	NAL FLOW F	PERIOD								
Min.	PSIG	Orifice Size	MCF/D	Min.	PSIG	Orifice Size	MCF/D			
25	7	1/4"	32.40							
30	7	11	32.40							
35	6.5	21	22.09							
45	6	,,	30.93							
65	5.5	n	30.19							
75	5.5	,,	30.19							
80	5	"	29.46							
95	5	"	29.46							
100	4.5	"	28.72				· · · · · · · · · · · · · · · · · · ·			
152	4.5	"	28.72				·			
-										
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						-				

Remarks:

Sampler Report

npany	Mid-Am	nerica Pe	etroleum,	Inc.	* Date	8-6-82	
Name & No	New Me	xico Sta	ate #3		Ticket No	27264	
nty	Lea			· · · · · · · · · · · · · · · · · · ·	State	New Mexico	.
t Interval	11630'	-11671			DST No	1	
Total Volume of Sa		-					
Total Volume of Sa							
Pressure in Sar							
, 1000010 III 001	Oil:						
,	Water:						٠
	Mud:						
	Gas:						
	Other:	•					
							•
				Resistivity			
Make Up Water			@	· · · · · · · · · · · · · · · · · · ·	Salinity Content		ppn
Mud Pit Sample	0.1		•	80 ⁰ F	Salinity Content	200,000+	ррп
Gas/Oil Ratio	10/9	90	Grav	ity	77.8	°API @	60 0
Where was sample							
Remarks:	-						
<u> </u>							
							
							

Distribution of Final Reports

Mid-America Petroleum, Operator	New Mexico State #3 Well Name and No.									
Original &										
5 Copies:	Mid-American	Petroleum,	Inc.,	P.	ο.	Вох	2515,	Midland,	TX	797
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SANTA FE	
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U.S.O.3.	
LANG OFFICE	
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Re	vis	ed	10-	1-7

au, or cartes accrives	. [OIL COMSERVATION DIVISION	
POITRIBUTION		P. O. BOX 2008	Form
SANTA FE		SANTA FE, NEW MEXICO 87501	Rovis
8168			Ja. Inuicate Type of Lense
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LANG OFFICE		DEC + A 1000	State X
ROTARERO		DEC 1 0.1982	5. State Of: 6 Gas Leane N
		 T. T.	

OPENATON	5, Stat	e Oli & Gus Leane No.
SUNDRY NOTICES AND REPORTS ON WELLS	NE HESERVOIR.	
1. OIL GAS X OTHER-	7, Unit	Agreement Name
2. Name of Operator	- 8, Far	n or Lease Name
Mid-America Petroleum, Inc.	New	Mexico State
3. Address of Operator	9. Well	No.
P. O. Box 2515, Midland, TX 79702		3
4. Location of Well	10. Fit	old and Pool, or Wildest
UNIT LETTER G . 1980 FEET FROM THE NORTH LINE AND	1650 East	La Rica Morrow
CHIEFTEN		
THE East LINE, SECTION 2 TOWNSHIP 19-S MANGE	34-E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc. 3973 GR	.) 12. Co Le.	
Check Appropriate Box To Indicate Nature of Not	ice. Report or Other Day	ta.
NOTICE OF INTENTION TO:	SUBSEQUENT REPO	
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK		ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRIL	LING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CABING CASING TEST AN	D CEMENT JOS	
лянто		x
OTHER		

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

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 comple	te to the best of my knowledge and belief.	
Davour Meyan	THE Engineering Assistant	DATE 12-1-82
APPROVED BY	SUPERVISOR DISTRICT T	DEC 7 1982
CONDITIONS OF APPROVAL, IF ANY		

		,,,,,
40. 0F COPIES SECTIVES		
DISTRIBUTION		
SANTA PE		
FILE		
U.1.0.1.		
LAND OFFICE		
	1	

40. 07 (0710 4(())4(6	OIL CONSERVATION DIVIS	SION
DISTRIBUTION	P. O. BOX 2088	Form C-103
SANTA PE	SANTA FE, NEW MEXICO 875	Revised 10-1
FILE		
U.S.O.S.]	5a. Indicate Type of Lense
LAND OFFICE	1	State X Foo L
OPERATOR	1	5. State OIL & Gas Lease No.
<u> </u>	•	
CL WOR	NAME OF TAXABLE PROPERTY OF TAXABLE PARTY.	This in the second second
SUNDA	RY NOTICES AND REPORTS ON WELLS	
USE "APPLICAT	OPERALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT TON FOR PERMIT -" (FORM C-101) FOR BUCH PROPUBALS.)	WILLIAM STATES
1		7, Unit Agreement Name
WELL SAS X	OTHER.	
2. Name of Operator		8. Farm of Lease Name
Mid-America Petroleum,	Inc	New Mexico State
L	1110.	
J. Adaress of Operator		9, Well No.
P. O. Box 2515, Midland	d, Texas 79702	3
4. Location of Well		10. Field and Pool, or Wildcat
		Fact In Pica Morroy
UNIT LETTERG	1980 FEET FROM THE North LINE AND 165	00 FEET FROM
East	ON 2 TOWNSHIP 195 RANGE 3	84E (!!!!!!!!!!!!!!!!!!
THE CINE, SECTI	ON TOWNSHIP RANGE	NAC NACH.
mmmmmm	15. Elevation (Show whether DF, RT, GR, etc.)	Allithing if the thirty
		12. County
	3973 GR	Lea (\\\\\\\
16. Chark	Appropriate Box To Indicate Nature of Notice	Papart or Other Date
	••	
NOTICE OF I	NTENTION TO:	SUBSEQUENT REPORT OF:
1		
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
\vdash		<u> </u>
TEMPORARILY ABANDON	COMMENCE DRILLIN	
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND C	EMENT JQB
• •	- отнея	[X
OTHER		
17. Describe Proposed or Completed O	perations (Clearly state all pertinent details, and give pertin	ient dates, including estimated date of starting any propose
wut) 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.	
	4- 8-5·	
2	1 1 /001 . DDmp 12 2001	
2. Set CIBP @ 13,400	' and cap $w/20$ ' cement PBTD 13,380'.	
3. TIH w/tubing to 1	1,710' and spot 500 gallons 15% HCL.	Perforate Wolfcamp formation
11.664 - 11.706' :	w/l spf w/4" casing gun.	
11,001 11,700	*/I SpI w/4 casing gan.	
/ 7777 / 1 1 1		
	packer and set packer at 11,200'. Pu	t spot acid away, flow/swab
back load.	:	Control 4 and
•		
5. Acidize formation	w/7000 gallons 15% HCL.	
J. ACIGIZE IOIMALION	w/7000 gallons 13% not.	וווואותיאלא איניו ואווואווואווואווואווואווואווואווואווו
	•	7 - 1 - 1 - 1
6. Presently flow/swa	ab testing well.	
	·	III MAY A A tope IIII
][]] 'YO' 9. 9 1862
	,	HU)
	•	OIL CONSERVATION AND THE
18. I hereby certify that the information	n above is true and complete to the best of my knowledge and	belief. SANTA
10.7 110.100, 0.000, 0.000	2	SANTA S
	<i>X</i> ·	
11980	Petroleum Engi	neer 10-28-82
	TITLE FELLOTEUM ENGI	
/ /	Wite Fectoredill Eligi	
/ /	1 1	
(/	1 1	NOV 1 1009
APPROVED BY STATEMENT	SUPERVISOR DISTRIC	NOV 1 1982

40. 41 CO-168 ACCEIVED	T	
MOITUBLATELD		
SY KTHAL		
FILE		
U.S.G.S.		
LAND OFFICE		
OPIGATOR		

OIL CONSERVATION DIVISION

DISTRIBUTION		P. O. BO	X 2088			Form C-103 Ravised 10-1
54 KTHAL	SANTA F	E, NEW	MEXICO 87501			KS41260 10-1
VIL 8					5a. Indicate Typ	po of Leaso
LAND OFFICE					State X	Foo
ROTARSAO	·				5. State Oil & C	las Lease No.
						•
SI	INDRY NOTICES AND REPO	IND STOL	WELLS		MITTI	TITTITI
OC RAMOR EINT BEU TON OO) Paa'' beu	JNDRY NOTICES AND REPO OR PROPOSALS TO DRILL OF TO DEEPL PLICATION FOR PERMIT 2" FORM C-1	H OH PLUG B	ACR TO A DIFFERENT RESERVOI H PROPOSALS I	R.		
11.		OTT TON SEE	7 - 10-03/23.7		7. Unit Agreens	int Name
01L 6A3 7						
2. Name of Operator	SJ OTHER-				8. Farm or Leas	ie liame
Mid-America Petr	roloum Inc					
1. Address of Operator	Toreum, The.				New Mexico	State.
1 -	14: 11 am 1 mm 70702					
	Midland, TX 79702		·		3	
4. Location of Well					10. Field and P	ool, or Wildcat
UNIT LETTER G	, 1980 FEET FROM THE	North	LINE AND 1650	FEET FROM	East La Ri	.ca Morrow
					MATTER	mmm
East	SECTION TOWNSHIP	1.9-9	34-E	41.474.	MILLIN	
LINE,	TOWNSHIP		MANUE	кмгм.		(1111/11/11)
THITTINITY IN THE	15. Elevation (Sho	w whether	DF, RT, GR, etc.)		12. County	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
		73' GL	, ,		Lea	
					 	_07777777
Ch	eck Appropriate Box To In	dicate N	ature of Notice, Repo	rt or Oth	ier Data	
NOTICE	OF INTENTION TO:		subs	EQUENT	REPORT OF	:
·						
PERFORM REMEDIAL WORK	ORT 18 1982 PLUG AND AS	NOON	REMEDIAL WORK		ALTE	RING CASING
			COMMENCE DRILLING OPNS.	Ħ		AND ABANDONMENT
PULL OR ALTER CABING	CHANGE PLAN	. 🗂	CASING TEST AND CEMENT JQ.	. [7200	AND ABANDONMENT (
Poce on Action Cabine Sales	SANTA E	الــا `	OTHER Perfor			ſ
	SANGA F		Perior	are		
OTHER		L-J				
17 Describe Proposed or Comple	ted Operations (Clearly state all pe	rtinent deta	rile and give pertinent dates	including	estimated data of	starting any broads
work) SEE AULE 1103.	the Operations (around) court are pe		or of the group portunities during			Starting any propos
1. MIRU completion	unit 9-24 - 82.					
2. Pick up tubing	and packer and tested	slips t	o 8000 psi.			
3. Circulated hole	w/2% KCL. Spot 26 ga	ls 7-1/	2% Morrow acid ac	ross se	lected inte	rvals
13,546 - 13,567						
	,520'. Perforate w/tb	g gun 1	13.546'-13.567' w/	ISPF.		
	formation w/3000 gals.				1000 scf N	ner
barrel acid.		, 1,2%	acta conte		2000 SCI N 2	, pci
	9-27-82 & 9 - 28-82 with	no men	seurable amount of	anc.		
	9-27-02 & 9-20-02 With P at 13,535' and cap w					
					OT.	
8. Circ hole w/10#	brine, TIH w/tbg. to	13,4/L	and spot 250 gal.	. TO% H	UL.	
9. POOH w/tbg. Per	rforate 1 spf w/4" cas	ing gur	1 13,402 - 13,4/6'	. TIH	w/packer an	ıα
	250 gals 15% HCL acro	ss peri	orated interval.			
10. Flow test through		_				
	with 3000 gals. 15% HC	L.	•			•
12. Presently flow	testing well.					
	•				·	
	·		•			
	_					•
10 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	notice shows to the same of th		f - u to- and first the state			
10. I hereby certify that the lather	nation above is true and complete to	ine best o	i my knowledge and belief.			
	•					
*IGHED > Stoh		ite <u>Er</u>	gineer		DATE _10-1	1-82
						
<u> </u>					00	
APPROVED BY (/ / MAY)	Allen .	Su	PERVISOR DISTRICT		UU	1 15 1922
The state of the s	-your W				DATE	- 0 1002
COURT OUR OF LODGERS OF LE	A NATU .					

40. 97 Carles Acceives	7	
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

OIL CONSERVATION DIVISION

Form C-103 -

SANTAFE	SANTAF	E, NEW MEXICO 8750	•	Revised 10-1-
FILE]	at the wextee avail		a. Inuicate Type of Laise
U.S.O.S.	4		l"	State X Foo
LAND OFFICE			-	5. State OI: 6 Gas Leane No.
	J .		-	
SLINDS	RY NOTICES AND REPOR	PTS ON WELLS		
ON NOT USE THIS FORM FOR PRO USE "APPLICAT	OPUSALS TO DRILL OR TO DEEPEN.	OR PLUG BACK TO A DIFFERENT HE I FOR SUCH PROPUSALS.)	SERVOIR.	
T			7	7. Unit Agreement Name
WELL GAS WELL X	OTHER-			
2. Name of Operator	1		S	3. Farm of Leuse Name
Mid-America Petrol	eum, Inc.			New Mexico State
3. Address of Operator D	idland, Texas 79702)	9). Well No.
4. Location of Well	Turana, rexas 75700	•		O. Field and Pool, or Wildcat
UNIT CETTER G	1980	north LINE AND 1650	i	East La Rica Morrow
UNIT LETTER	PEET FROM THE		FEET PROM	TITLE TO WOLLOW
east	ON TOWNSHIP _	19S 34	1E	
THE LINE, SECTI	ON TOWNSHIP _	MANGE	NUPU.	
	15. Elevation (Shou	whether DF, RT; GR, etc.)		12. County
	3973' GR			Lea ()
16. Check	Appropriate Box To Ind	icate Nature of Notice	Report or Other	r Data
	NTENTION TO:	I	SUBSEQUENT F	
•				
PERFORM REMEDIAL WORK	PLUG AND ABAN	DON REMEDIAL WORK		ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING	OPNS.	PLUG AND ABAHOOHMENT
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEN	MENT JOB X	_
• •		- OTHER		
OTHER		니		
17, Describe Proposed or Completed O	perations (Clearly state all per	tinent details, and give pertinen	t dates, including es	itimated date of starting any propose
wut) SEE RULE 1103.		`.		
1) Drilled 7-7/8" hol	le to TD 13,680'. F	Reached TD at 10:00	a.m. 9-3-82.	
2) Ran CNL-FDC and Du	ual Induction open h	nole logs.		
3) Ran 5-1/2" OD casi	ing as follows: 49	its. (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. (233	35.52') 17# P110
LT&C 192 jts. (81	158.88') 17# N80 LT8	&C, total 327 jts. ((13,624.01').	Set casing at
	d w/730 sacks 65/35		(I plus addit	ives. Tailed-in
	ass H plus additives	5.		
4) Bumped plug at 6:3	30 a.m. 9-5-82.	222 4		
	8000'. Set slips a	and cut off casing.		
6) Released rotary to7) Waiting on complet			1111251516	11/V/15/11/1
// waiting on complet	Jion unit.		IN .	
			III nort	15 to 32 !!! "
			rs	The state of the s
	•		OIL CONSERVA	
	•		SAN	TA PE
			• • •	
	- About 1- 4 4 1 1	the best of our beautiful and t	alia	
18. I hereby certify that the information	a monac in time and comblets to	the name of his zhowtedfa sug p	e 1141.	·
	Ed Robinson	Drilling Engine	er	October 8, 1982
alende A Comment	YI	1LE		DATE
	1- //			
besserx	Laten	SUPERVISOR DISTRI	CT 1	OCT 12 1982

30-025-27827

we. of contancerive	OIL CONSERVA	CITION DIVISION	
PISTAIBUTION	P. O. BO	X 2088	Form C+103 -
SANTAFE	SANTA FE, NEW	/ MEXICO 87501	Revised 10-1-77
711. C			5a. Indicate Type of Leise
U.S.O.S.			Sinie X Fee
LAND OFFICE		*	\c.i.
NO TARBAO]		5, State Off & Gas Lease No.
	•		
9 CIVITS	Y NOTICES AND REPORTS ON	WELLS-SE A	
IDO HOT HAT THIS FORM FOR DOO	OPOSALS TO ORICE OR TO OCCEPT OR POUG S TON FOR PERMIT - " (FORM C-161) FOR JUC	ふくと ての あ わしがずをあがぬす ねららずをひひしゅ	XIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
032 222021	TOWN OF PERMIT 2 17 ORM C-1881 FF 1 1 100		7. Unit Agreement Name
Weit \	OTHER-	2 11	
2. Name of Operator	JUL I	.5 .500	8. Firm or Lease Name
Mid-America Petrole	um. Inc.		New Mexico State
3. Address of Operator			9. Weil No.
P 0 Rox 2515 Mid	land, Texas 79702	, , 	3
	Talla, Texas Torge		J David - Wild
1. Location of Well			10. Field and Pool, or Wildcat
1 1 G 1	980 FEET FROM THE north	LINE AND 1650 FEFT FROM	East La Rica Morrow
		7,10	
east	2 195	3 4 F	
THE BAST LINE, SECTION	ON 2 TOWNSHIP 195	RANGE OTL NMPM.	
- ANTHART CARREST CONTRACTOR		D.C. 0.00	virini i i i i i i i i i i i i i i i i i
	15. Elevation (Show whether	DF, RT, GR, etc.)	12. County
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Lea ()))))
10.	A	t N . i . D O.	
	Appropriate Box To Indicate N	lature of Notice, Report of Uti	ner Data
NOTICE OF IN	ITENTION TO:	SUBSEQUENT	REPORT OF:
	•		
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
Fig. 1	1204 2115 7527501		
TEMPORARILY ABANDON		COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CABING	CHANGE PLANS	CASING TEST AND CEMENT JOB	
		OTHER	
OTHER			
	perations (Clearly state all pertinent deta	ails, and give pertinent dates, including	estimated date of starting any proposed
wark) SEE RULE 1103.		•	
-1			_
 Drilled out from und 	der surface casing to 160	02'. Surveys showed devi	ation of 5° at 999'
and 8-1/4° at 1602'	•		
· · · · · · · · · · · · · · · · · · ·	sacks Class C containing	1	ack into surface
pipe at 540'.	sacks class c containing	1 3410/32 11011 1002 1	ack into surrace
		101 /001 1 11 6	
 Drilled new hole tag 	gging top of cement at 51	10', (30' inside surface	casing).
4) Drilled 12-1/4" hold	e to 4400'.		
5) Set 105 jts. (4400') 8-5/8" J-55 8RD (2188')) 32# and (2212') 24# cas	ing at 4400' and
	ges w/DV tool set at 2721	, , , , , , , , , , , , , , , , , , , ,	and the and
	e w/525 sx. Class C. Bum		ast hald alass
O) Cemented Tirst Stage	2 W/323 SX. Class C. Dull	hped plug wyloud psi. Fi	oat neid okay.
	ened DV tool. Circulated		
	ge w/575 sacks 65/35 Clas		6% D20 gel and
5# salt/sx. Plugge	d down at 11:00 p.m. 7-10	0-82.	-
8) WOC 18 hrs. Cut of			
•	OP and casing to 3500# fo	on 20 min hold akay E	licked up 7 7/0"
		or so min., neta okay. P	Ticked up 7-7/8
bit and drilled ahea	au.		•
10. I nereby certify that the information	above is true and complete to the best o	i my knowledge and belief.	
~1/ / / /		•	·
1/1/h	Ed Robinson TILE Dri	lling Engineer	DATE July 12, 1982
2 I GHERE	The state of the s		DATE GULL 120
	/ _//		
(1)	. / /	DEDIVICOR	JUL 14 1982
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1/121/12	PERVISOR DISTRICT 1	ししに しま 120/

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PISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
08554705	

OIL CONSERVATION DIVISION

DISTRIBUTION		BOX 2088	Form C-103 Revised 10-1-7
SANTA FE	SANTA FE, N	EW MEXICO 87501	
U.S.O.S.	t.		Sa. Indicate Type of Lense
LAND OFFICE		•	State X Fan
OPERATOR	•		5, State Oil 6 Gas Lease No.
SUNDRY SUND SUNDRY (DO NOT THE THE POPLY OF THE	NOTICES AND REPORTS	ON WELLS UG BACK TO A DIFFERENT MESERVOIR. SUCH PROPOSALS.	
1. OIL \$A.3 WELL X	OTHER-		7. Unit Agreement Name
2. Name of Operator Mid-America Petroleur	m, Inc.		8. Form or Lease Name New Mexico State
P. O. Box 2515, Midle	and, Texas 79701		9. Well No.
4. Location of Well			10. Field and Pool, or Wildcat
UNIT LETTER G 198	80 PEET FROM THE nort	h LINE AND 1650	*** East La Rica Morrow
THE east LINE, SECTION		S SANGENAME	
	15. Elevation (Show when	·	12. County Lea
16. Check A		e Nature of Notice, Report or	Other Data
NOTICE OF IN	• • •	•	ENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ASANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	<u> </u>	COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOS X	
		- OTHER	
OTHER			
17. Describe Proposed or Completed Ope	rations (Clearly state all pertinent	details, and give pertinent dates, inclu	ding estimated date of starting any propose
1\ ' Manage 26 and admin	Mid America Dula 9 E	unl Dia #2 Shuddod 17	1/2" holo at 5:00 p m
6-21-82.	Mid-America Drig & E	xpl. Rig #3. Spudded 17	-1/2 Note at 5.00 p.m.
2) Drilled to 540'.			
2) Sot 12 its (5471)	12 3/9" OD 49# H_40	ST&C casing at 540'. Cen	mented w/450 sacks
Class C w/2% CaCl ₂	13-3/8 OD 48# H-40 , 1/4# Flocele. Ceme 1:15 p.m. 6-22-82.	nt circulated to surface	and circulated out
4) WOC 18 hrs. Cut o	ff casing, installed	head and BOP. Tested BO	P and casing to 600
psi for 30 min., h			Name - Amount
		निहिद्धाः भी	
	•	JUN 28 198	,
		All don wa	•
	· · · · · · · · · · · · · · · · · · ·	OIL CUNSUM SANTA FE	J. 110.0
18. I hereby certify that the information a	bove is true and complete to the b	est of my knowledge and belief.	
Soft	Ed_Robinson vives_	Drilling Engineer	June 23, 1982
PICALO			
Joresol	7174	SUPERVISOR DISTRICT	JUN 25 1982
	,,,,,		

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

		All distances must be fr	om the outer boundaries of	the Section.	
Operator M I D-	-AMERICA PETRO	DLEUM, INC.	Lease N EW MEXIC	CO - STATE	Well No.
Unit Letter G	Section 2	Township 19-3	Range 34—E	County	
Actual Footage Loc	feet from the	NORTH line and	1650 fe	et from the EAST	line
Ground Level Elev.		mation	Pool East La Rica M		Dedicated Acreage:
		ted to the subject we			
2. If more the interest an	nan one lease is nd royalty).	dedicated to the well	, outline each and ide	entify the ownership th	nereof (both as to working
		initization, force-pooling		nave the interests of	all owners been consoli-
Yes	No If a	nswer is "yes;" type of	consolidation		
	is "no," list the f necessary.)	owners and tract descr	riptions which have a	ctually been consolid	ated. (Use reverse side of
I .	_			-	munitization, unitization, approved by the Commis-
	i I				CERTIFICATION
	 		19801	tained he	certify that the information con- rein is true and complete to the y knowledge and belief.
	+		WKY 27 1082	Norme Lelan Position	d Franz
	1	Jill .	MILL ALLUNG	Vice	President
	i I		् छ ऽ\ 1650 	·	erica Petroleum, Inc.
	1	я		May 14	, 1982
				shown on notes of under my is true a	certify that the well location this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my and belief.
	i I		1	Date Survey	ed
	1		 		Professional Engineer
			!	and/or Land	Surveyor Shows
0 :320 440	190 1370 1550 195	0 2810 2640 2000		Certificate 1	No.

SANTA FE, NEW MEXICO 87501 SANTA FE, NEW MEXICO 87501 SA, Indicate Type of Lease exist.	CRGY AND MINERALS DEPAR	RTMENT O	IL CONSERVATI P. O. BOX 20			orm C-101 evised 10-1	-78
THE STATE 1.5 STATE OF LASH 1.5 STATE OF L	DISTRIBUTION				5	A. Indicate T	ype of Lease
DEPEND OR PLUG SACK APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG SACK APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG SACK APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG SACK APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG SACK Prove of Neil DRILL S	SANTA FE		5 ,,		j	BYATE X	· · · · · · ·
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Type of two DRILL A)	41			3.	. State Oil &	Gas Loace No.
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OF PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK APPLICATION FOR PERMIT PROPOSED CASHING AND CEMENT TO DRILL, DRIL					L_		
Depart D	OPERATOR						
DEFEND DRILL EX OFFICE STATE OF THE STATE OF	APPLICATION	N FOR PERMIT	TO DRILL, DEEPEN, (OR PLUG BACK		IIIIII	
New Mexico State New Mexico State New Mexico State New Mexico State New Mid-America Petroleum, Inc. North New Mexico State New Mid-America Petroleum, Inc. North North North New Mexico State New Mid-America Petroleum, Inc. North North	Type of Work				/ '.	. Unit Agreen	neut liame -
New Mexico State New Mexico State New Mexico State New Mexico State New Mid-America Petroleum, Inc. North	DRILL X		DEEPEN 🔲	PLUG 8	ACK -	Form and an	None
MId-America Petroleum, Inc. 16. Field and Pool, is Nidded Peol of Nidded Peol	Type of Well			SINGLE MULT			
MId-America Petroleum, Inc. Mid-America Disease P. O. Box 2515, Midland, TX 79702 East La Rica Morrow		ОТНЕЯ		IONE L			co State
P. O. Box 2515, Midland, TX 79702 10. Field and Peol, or Nindeat East La Rica Morrow 10. Field and Peol, or Nindeat East La Rica Morrow 10. Field and Peol, or Nindeat East La Rica Morrow 10. Field and Peol, or Nindeat East La Rica Morrow 10. Field and Peol, or Nindeat East La Rica Morrow 10. Field and Peol, or Nindeat 11. Field and Peol, or Nindeat 12. County 13. Field and Peol, or Nindeat 13. Field and Peol, or Nindeat 13. Field and Peol, or Nindeat 14. Field and Peol, or Nindeat 15. Field and Peol, or Nindeat 16. Field and Peol, or Nindeat 13. Field and Peol, or Nindeat 13. Field and Peol, or Nindeat 14. Field and Peol, or Nindeat 15. Field and Peol, or Nindeat 13. Field and Peol. 14. Leas 14. Leas 15. Field and Peol. 15. Field and Peol. 15. Field	•	1 T			1 "		2
P. O. Box 2515, Midland, TX 79702 East La Rica Motrow State 1980 Tit from the North Lie Lie		roleum, inc.				0. Field and	·
16.50	P. O. Box 2515,	Midland, TX	79702		-		I .
16.50	ocation of Well	G	1980	North		יחווווי	
Less Les values solding which eight is the same a status Play, lend 218. Drilling Controctor 13,700 Morrow Rotary 3973' GR 13,700 Morrow Rotary 75-19-82 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 12-1/4" 8-5/8" 32# & 24# 4400' 750 Surface 1-7-7/8" 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 to 13-3/8" casing at 4400'. Cement with 750 sx., circulate cement. WOC 18 hrs. NUBOP. Test casing and BOP's to 2500 psi. Drill altead 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 "kicka" Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORP. BOP 13 3/8" 5000# MAY 21 1987 APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-54 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-54 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-54 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-54 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-54 UNLESS DRILLING UNDERWAY SUPERVISOR DISTRICT 1 MAY 18 1982	UNIT LETTE	A	LOCATED 1700	EET FROM THE	rine		
19. Frespessed Unith 19. Frespessed Unit 19. Frespess	1650 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	THE East	LINE OF SEC. 2	wp. 195 pgc. 34	E NMPM		
19. Frepozed DryAn 19. Fremation 19. Fre						2. County	1111111
13,700 Morrow Rotary Rotary 13,700 Morrow Rotary 13,700 Morrow Rotary 13,700 Morrow Rotary 13,700 Morrow Rotary 122. Approx. Date Work will shall 13,700 Morrow Rotary 123. Approx. Date Work will shall 13,700 Morrow Rotary 124. Approx. Date Work will shall 15-19-82 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 12-1/4" 8-5/8" 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 to 11 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 "kicked" Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORT. MAY 1 1982 APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-180 SUPERVISOR DISTRICT 1 SUPERVISOR DISTRICT 1 SUPERVISOR DISTRICT 1						Lea	VIIIIIII
13,700 Morrow Rotary 122. Approx. Date Work will shall 13,700 Mid-America Drill. & Expl. 22. Approx. Date Work will shall 5-19-82 5-19-82 5-19-82 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 to 11 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 "kickalls" Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORT. MAY 1 982 APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-18 SUPERVISOR DISTRICT 1 SUPERVISOR DISTRICT 1							
13,700 Morrow Rotary 122. Approx. Date Work will shall 13,700 Mid-America Drill. & Expl. 22. Approx. Date Work will shall 5-19-82 5-19-82 5-19-82 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 to 11 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 "kickalls" Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORT. MAY 1 982 APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-18 SUPERVISOR DISTRICT 1 SUPERVISOR DISTRICT 1					IIIIIII		
PROPOSED CASING AND CEMENT PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PERFOOT 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 "kicka" Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORT. MAY 21 1982 APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 ST UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 DAYS APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 DAYS APPROVAL VALID FOR 180 DAYS APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18 DAYS APPROVAL VALID FOR 180 DAYS APPROVAL VALID FOR 180 DAYS APPROVAL VALID FOR 180 DAYS APPROVAL VALID				· 1] 2	
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17-1/2" 13-3/8 13-3/8 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 "kt.cka". Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORT. APPROVAL VALID FOR 180 DAYS BOP 13 3/8" 5000# 8 5/8" 10000# MAY 21 1987 APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-51 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-51 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-51 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS SUPERVISOR DISTRICT 1 SUPERVISOR DISTRICT 1 DAYE MAY 18 1982			PROPOSED CASING AND	CEMENT PROGRAM			•
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 "kickal Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORT. APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR May 14, 1982 The Production Manager Date May 14, 1982 SUPERVISOR DISTRICT 1 BAY 18 1982	SIZE OF HOLE	SIZE OF CASI	NG WEIGHT PER FOOT	SETTING DEPTH	SACKS OF C	EMENT	EST. TOP ·
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 "kickat" Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORT. APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D DAYS PERMIT EXPIRES 1/-18-87 UNLESS DRILLING UNDERWAY APPROVAL VALID FOR 18D	17-1/2"	13-3/8	48#	500'	550		Surface
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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 "kicka" Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORT. APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 1-8-87 UNLESS DRILLING UNDERWAY BOY 21 1987 APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 1-8-87 UNLESS DRILLING UNDERWAY BY COMING AND PROCESSED PROCESSAM, IF ANY. BY COMING OF APPROVAL VALUE FOR ANY. SUPERVISOR DISTRICT 1 DATE MAY 18 1992 MAY 18 1992 SUPERVISOR DISTRICT 1	7-7/8''	5-1/2"	17#	13,700'	. 1000		9000'
Charles of State Use) Title Production Manager Oute May 14, 1982 SUPERVISOR DISTRICT 1 DATE MAY 18 1992	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 "kicka" Run open hole logs. Run 5-1/2" 17# casing to TD and cement w/1000 sx. MORT. APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 11-18-87 UNLESS DRILLING UNDERWAY						
SUPERVISOR DISTRICT 1 DATE MAY 18 1982	cby certify that the information	n above is true and	complete to the best of my kn	pwiedge and belief.			
SUPERVISOR DISTRICT 1 DATE MAY 18 1982	$\Omega \Omega \Omega$	\ D	n 1 .	dan Waren	•	., -	/ 1000
SUPERVISOR DISTRICT 1 DATE MAY 18 1982	d_ handa	V. X one	Tule Product	ion Manager	Dat	May 1	4, 1982
DITIONS OF APPROVAL, WANTE	(This space for S	State Use)	1				
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A SECURE AND ASSESSED.			⊕ Copyright	ed Reproduction Prohibited
COUNTY LEA	FIELDAirstrip		STATENM	
OPR MID-AMERICA PE	TROLEUM, INC.		API 30-0	25-27827
NO 3 LEASE NEW M	iexico State		MAP	
Sec 2, T19S, F	R34E		CO-ORD	
1980 FNL, 1650	FEL of Sec		4-2-	28 NM
8 mi S/Buckeye	SPI SPI	6-21-	82 CMP 3-10	- 83
CSC	WELL CLASS: IN	IT D FIN	DO LSE. CODE	
13 3/8-540-450 sx	FORMATION	DATUM	FORMATION	DATUM
8 5/8-4400-1100 sx	· [-
5 1/2-13,680-1130	sx			
2 7/8-11,471				
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	тр 13,680 (MRRW)	PBD 13,3	80

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) AMEND FIELD & ZONE: Formerly LaRica, E. 4-9-83 (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 1m mw 10.2, vis 35 7-16-82 Dr1g 5823 do1o 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 Drlg12,624 mw 11.4, vis 45

4-2-28 NM

LEA MID-AMERICA LEUM, INC.	Airstrip 3 New Mexico State Sec 2, T19S, R34E
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 lm & 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

NM Page #2

Perf (Morrow) 13,546-552, 13,554-561, 13,563-567 w/1 SPFAcid (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

Continued

10-1-82

LEA		Airstrip	NM
MID-AMERICA	PETRO-	3 New Mexico State	Page #3
LEUM, INC.		Sec 2, T19S, R34E	9.
10-23-82	TD 13,680;	PBD 13,380; Swbg	
	CIBP @ 13,3	380	
	Perf (Wolfo	amp) 11,664-706 w/1 SPF	
	Acid (11,66	4-706) 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 (11,664-7	706)
11-5-82		PBD 13,380; RUCT	,
11-12-82	TD 13,680;	PBD 13,380; Trip	
11-19-82		PBD 13,380; Tstg	
	Sqzd (11,66	4-706) & DOC	
	Perf (Wolfo	amp) 11,664-682 w/1 SPF	
11-24-82		PBD 13,380; Tstg	
	, ,	4-2-28 N	īM.
			<u>-</u>

	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 bb1
		Frac (11,664-682) 20,000 gals + 15,000# sd
	12-10-82	TD 13,680; PBD 13,380; WOW
لتهمينها		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 B0 + 7 BW in 9 hrs (11,664-682)
	2-18-83	TD 13,680; PBD 13,380; Tstg
		Ppd 5 B0 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)

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

STATE OF NEW MEXIC	o *					
ENERGY AND MINERALS DEPAR	TMENT OIL	CONSERVAT		ION	Form C-101 Revised 10-1-	78
POISTRIBUTION	SA. Indicate Ty	pe of Louise				
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FILE					S. State Oil & C	ias Loano No.
U.S.G.S.					1367N	
DERATOR	11				mmm	inninni
	N FOR PERMIT TO	DOLL DEEDEN	L OD BLUC BA	CV		
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					, out Adresine	in reality
DRILL .		DEEPEN 🗌		PLUG BACK 💢	\ <u></u>	
b. Type of Well					8. Farm or Leas	
01L X	OTHER		SINCLE X	MULTIPLE ZONE		<u>ican State</u>
2. Name of Operator					9. Well No.	
Sun Exploration	ı and Product	ion Co.			3	
3. Address of Operator					10. Field and P	ool, or Wildeat
P.O. Box 1861,	Midland, Tex	as 79702		•	Scharb-Bo	one Spring
4. Location of Well	• <u>G</u>	1980		North LINE		mmm
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AND 1650 FEET FROM	East	NE OF SEC.	19-S	34-E NUPM	(1111111)	
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					Lea	
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			13. Plopused De	_	1	, notaly of C. I.
	iiiiiiiii		}	Bone S		·
3972 GR		& Status Plug. Bond	21B. Drilling Co.	ntractor	ASAP	ate Work will start
23.	10071				1 ASAI	
		PROPOSED CASING A			·	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OT SETTING	DEPTH SACKS C	F 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 2 17		13680	1130	8000
	, , ,		İ	1	1130	0000
GAUGE RI ±11600'. 10184-10 USING 4" GR/CBL/C 2. TALL RETRIEVA ±10540.	NU BOP (2-7/8 NG ON NO. 20 JU PERF BONE SPR 218, 1 JSPF, TO OD, 22.5 GC, C CL DATED 9-3-82 Y IN HOLE W/5-1 MATIC PKR W/SN LOAD HOLE W/2% SH SV. SET RBF	NK BASKET TO: ING CARBONATE ITAL 70 HOLES 1.53" EH CSG G 2 ARE: SET I 1.72" (17#) MOD ON 2-7/8", 6. KCL FRSH WTR	±11600'. WL SET I 10484 /IA GEARHART JN. (PERFS 10489-10523, 'G' LOK-SET 5#, J-55 & L . DROP SV T	SET 5-1/2" (-10518 & SET GR/CD-CNL DA CORRECTED TO SET II 10187 RBP & MOD "E -80 PRODUCTIO O SN. TEST T	17#) CIBP @ II TED 9-7-82 GEARHART -10221.) A" IN TBG TO	
N ABOVE SPACE DESCRIBE PR	OPOSED PROGRAMI IF	PROPOSAL IS TO DEEPE	N OR PLUG BACK, GIV	/E DATA ON PRESENT P	POSUCTIVE TOWE AW	

ABOVE SEACH SLOWGUT PREVENTER PROGRAM, IT ANY.

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

Title Accountant

Once 11-2-88

(This space for State Use)

TITLE

CONSERVATION DIVISION

SENTA FE

OIL CONSERVATION DIVISION P. O. BOX 2088

All distances must be from the outer boundaries of the Section. Sun Exploration and Production Co Mid-America State Unit Letter 2 19-S 34 - EActual Postage Location of Well: Icet from the East North 1650 1980 feet from the line and Dedicated Acreage: Producing Formation Fround Level Elev. 3973 1 Scharb-Bone Spring Bone Spring 1. Outline the acrenge 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? 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 43.8111. I hereby certify that the information con-44.13 tained herein is true and complete to the best of my knowledge and delief. <u>Dee Ann Kemp</u> Position <u>Accountant</u> Sun Expl. & Prod. Co. 10-31-88 I hereby certify that the well location shown on this plat was platted 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 Centificate No. 1370 1680