



**PHILLIPS PETROLEUM COMPANY**

ODESSA, TEXAS 79762  
4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP

May 11, 1987

RE: State 1-2 Well No. 1  
East Lusk-Bone Springs Pool  
Lea County, New Mexico

Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

ATTN: William J. LeMay, Director

Gentlemen:

Phillips Petroleum Company respectfully requests administrative approval for an exception to Rule No. 2 of the East Lusk-Bone Springs Pool Rules to allow a non-standard proration unit consisting of 120 acres. Pool Rules require 160 acres. Rule 3 allows administrative approval.

We had previously made this request (our letter of November 26, 1986 attached), but withdrew this request due to the protest of Los Siete Exploration, Inc. and Murphy Operating Corporation (letter attached). We now make this request again due to the subject well being placed in the East Lusk-Bone Springs Pool (see letter from Hobbs OCD Office attached). Also, attached is a copy of Form C-101, C-103, C-104, and copies of certified mail receipts to offset operators.

Your early attention to this request is appreciated.

Sincerely,

Larry M. Sanders, Supervisor  
Regulation and Proration

LMS:JLD:lsu  
REG/PRO4/exception2

715-367-1458

**Attachments**

cc: Oil Conservation Division  
P. O. Box 1980  
Hobbs, New Mexico 88240



# PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762  
4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP

November 26, 1986

RE: State 1-2  
Lease No. L-G888  
East Lusk-Bone Springs Field  
Lea County, New Mexico

Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attn: R. L. Stamets, Director

Gentlemen:

Phillips Petroleum Company respectfully requests administrative approval for exception to Rule No. 2 of the East Lusk-Bone Springs Field Rules to allow a non-standard proration unit consisting of 120 acres. Field rules require 160 acres. Rule 3 allows administrative approval.

Previous completions in the Wolfcamp and Morrow formations have been uneconomical to produce. A successful completion in the Bone Springs will keep this well from being abandoned.

Attached for your information are copies of forms C-101, C-103, and copies of certified mail receipts to offset operators. See attached list.

Your early attention to this request is appreciated.

Yours very truly,

Larry M. Sanders  
Regulation and Proration Supervisor

LMS/JLD/sdb  
REG4.1/east

Attachment

cc: Oil Conservation Division  
P. O. Box 1980  
Hobbs, New Mexico 88240

## Offset Operators

Sol West III  
P. O. Box 10120  
El Paso, Texas 79992

J. M. Huber Corp.  
2000 West Loop South  
Houston, Texas 77027

Chevron USA, Inc.  
P. O. Box 670  
Hobbs, New Mexico 88240

Tenneco Oil Co.  
Box 2511  
Houston, Texas 77001

Shell Oil Co.  
Box 2463  
Houston, Texas 77001

Petroleum Development Corp.  
9720-B Candelaria Rd., N.E.  
Albuquerque, New Mexico 87112

Sun Exploration & Prod. Co.  
Box 2880  
Dallas, Texas 75221

Superior Oil Co.  
Box 1521  
Houston, Texas 77251

Davol Inc.  
P. O. Box 12507  
Ft. Worth, Texas 76116

REG4.1/east1

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

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
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.	
L-G888	

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"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name State 1-2	
2. Name of Operator Phillips Petroleum Company		9. Well No. 1	
3. Address of Operator 4001 Penbrook St., Odessa, Texas 79762		10. Field and Pool, or Wildcat East Lusk-Bone Springs	
4. Location of Well UNIT LETTER <u>E</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE <u>660</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>2</u> TWP. <u>19-S</u> RGE. <u>32-E</u> NMPM		12. County Lea	
19. Proposed Depth 10150		19A. Formation Bone Springs	
20. History or C.T.			
11. Elevations (show whether DF, RT, etc.) 3691 GR, 3712 RKB		21A. Kind & Status Plug. Bond	
21B. Drilling Contractor		22. Approx. Date Work will start Upon Approval	

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"	13-3/4"	48# & 54#	444'	450 sk "C"	Surface
11"	8-5/8"	32#	5040'	612 sk H DV @ 3300'; 2nd stage	
7-7/8"	5-1/2"	17#	13670'	1260 sk LW + 100 sk "C"-surface 1600 sk "H"	11845 (Temp. Survey)

Present status: Lusk Wolfcamp, East field; PBTD 12950';

Last test 9/5/86: 3.8 BOPD, 11 MCFGPD, 11 BWPD

Proposed Procedure: Pull rods & pump. NU BOP. COOH w/tbg. MI & RU wireline unit. GIH w/dump bailer & dump 5 sk Class "H" cmt. on top of CIBP @ 12950'. Set CIBP @ 10350'. Load hole w/240 bbls. 2% KCl wtr. Pressure test bridge plug & csg. to 500 psi. Spot 50 bbls. 10% acetic acid from 10200' to 8000'. COOH w/tbg. GIH w/4" casing gun & perforate Bone Spring formation as follows using deep penetrating DML charges, 2SPF, spiral shot phasing, top to btm.:

Zone 1	8145'-8161'	16'	32 holes	8646'-8656'	10'	20 holes	
Zone 2	8664'-8672'	8'	16 holes	8680'-8690'	10'	20 holes	
	9206'-9210'	4'	8 holes				Total of 94'
Zone 3	9214'-9220'	6'	12 holes	9224'-9234'	10'	20 holes	& 188 holes
	9239'-9251'	12'	24 holes				
Zone 4	10060'-10064'	4'	8 holes	10100'-10114'	14'	28 holes	(over)

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

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

Signed [Signature] Title Eng. Supervisor, Reservoir Date 11/13/86

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

PROCEDURE Contd.:

GIH w/RBP & RTTS-type packer on 2-7/8" tbg. Set RBP @  $\pm 10200'$  & set packer @  $\pm 9950'$ . Swab well to clean up perforations. Acidize Zone 4 Bone Spring perforations w/2700 gals. 15% NEFE HCl acid containing fines suspension agent & clay stabilizer. Flush acid to perforations w/61 bbls. 2% KCl water. Swab test well.

Unseat packer, unseat RBP. Reset RBP @  $\pm 9350'$ , set packer @  $\pm 9320'$  & test RBP to 1000 psi. Unseat packer & reset @  $\pm 9100'$ . Swab test well to clean up perforations. Acidize Zone 3 Bone Spring perforations w/3200 gals. 15% NEFE HCl acid containing fines suspension agent & clay stabilizer. Flush acid to perforations with 56 bbls. 2% KCl wtr. Swab test well.

Unseat packer, unseat RBP. Reset RBP @  $\pm 8800'$ , set packer @  $8770'$  & test RBP to 1000 psi. Unseat packer & reset @  $8500'$ . Swab test well to clean up perforations. Acidize Zone 2 Bone Spring perforations w/2800 gals. 15% NEFE HCl acid containing fines suspension agent & clay stabilizer. Flush acid to perforations w/54 bbls. 2% KCl wtr. Swab test well.

Unseat packer, unseat RBP. Reset RBP @  $\pm 8250'$ , Set packer @  $8220'$  & test RBP to 1000 psi. Unseat packer & reset @  $\pm 8000'$ . Swab test well to clean up perforations. Acidize Zone 1 Bone Spring perforations w/2400 gals. 15% NEFE HCl acid containing fines suspension agent and clay stabilizer. Flush acid to perforations w/50 bbls. 2% KCl wtr. Swab test well.

Maximum treating rate 4 BPM @ 4000 psi maximum surface pressure. Maintain 500 psi on tbg.-csg. annulus while acidizing.

Unseat packer, unseat RBP. COOH w/tbg., packer, & bridge plug. GIH w/10000' 2-7/8" production tbg. GIH w/1-1/16" pump on rod string. (188 4700' 5/8" rods, 81 2025' 3/4" rods, 72 1800' 7/8" rods, 64 1600' 1" rods).

Hang well on. Run unit @ 10 SPM & 120" stroke.

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

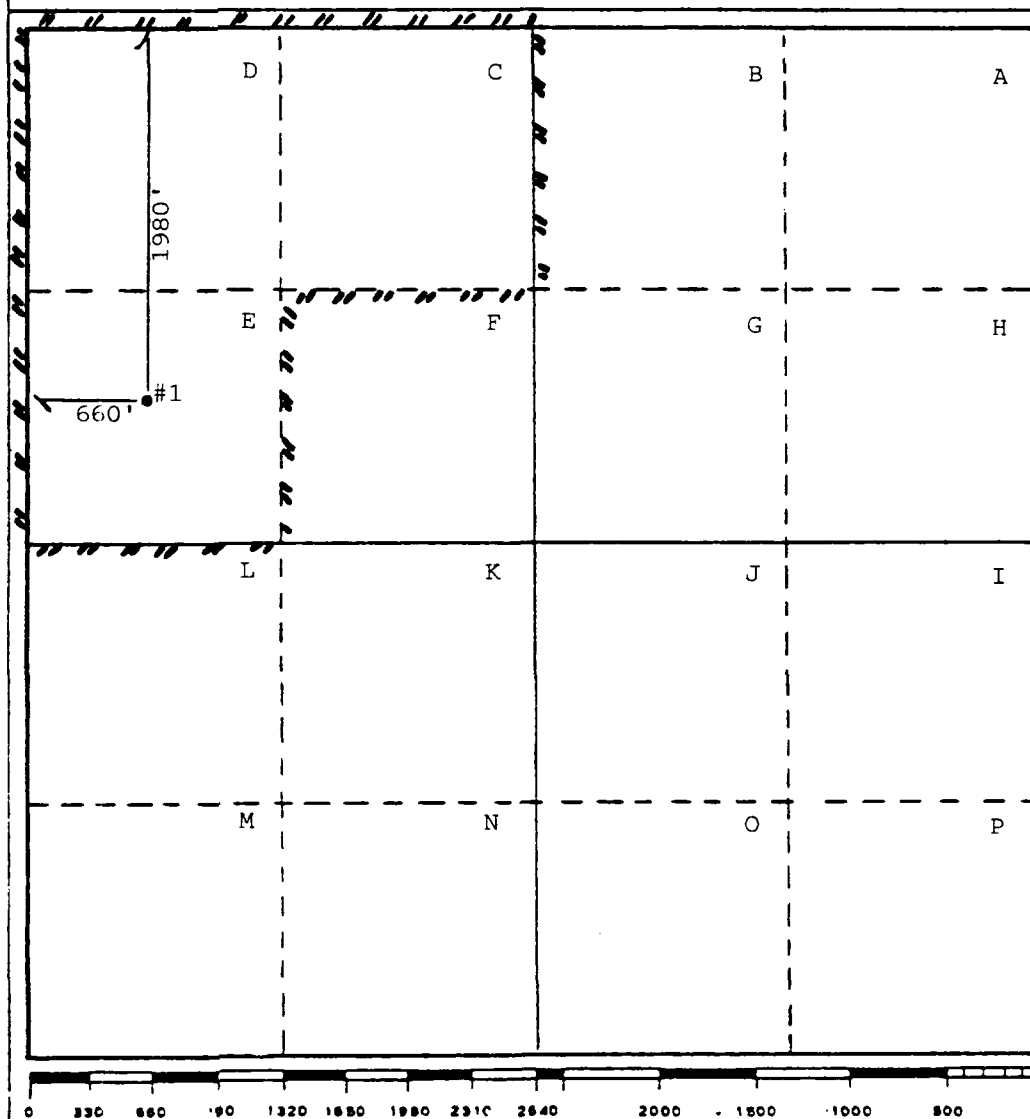
Operator Phillips Petroleum Company		Lease State 1-2		Well No. 1
Unit Letter E	Section 2	Township 19-S	Range 32-E	County Lea
Actual Footage Location of Well:				
1980 feet from the North line and		660 feet from the West line		
Ground Level Elev. 3681 GR	Producing Formation Bone Springs	Pool East Lusk - Bone Springs	Dedicated Acreage: 120 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 Commission.



#### CERTIFICATION

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

Name W.J. Muelle

Position  
Eng. Supervisor, Reservoir

Company  
Phillips Petroleum Co.

Date  
11/25/86

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.

10-31-82

Date Surveyed  
John W. West

Registered Professional Engineer  
and/or Land Surveyor

Certificate No. John West #676  
Patrick A. Romero #6663  
Ronald J. Eidson #3239



**PHILLIPS PETROLEUM COMPANY**

ODESSA, TEXAS 79762  
4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP

January 5, 1987

State 1-2 Well No. 1  
Lease No. L-G888  
East Lusk-Bone Springs Field  
Lea County, New Mexico

Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

ATTN: Michael Stogner

Gentlemen:

Phillips Petroleum Company has requested administrative approval, our letter dated November 26, 1986, for an exception to Rule 2 of the East Lusk-Bone Springs Field Rules to allow a non-standard proration unit consisting of 120 acres instead of the required 160 acres. At this time, Phillips respectfully requests this application be withdrawn and returned to the letterhead address to my attention.

By copy of this letter to the Hobbs District Office, our application to plug back is also being withdrawn, and will be re-submitted at a later date. If this request has been set for hearing, we request it be dismissed.

Sincerely,

Larry M. Sanders, Supervisor  
Regulation and Proration

LMS:ls  
REG/state

cc: Oil Conservation Division  
P. O. Box 1980  
Hobbs, New Mexico 88240

Offset Operators