



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

12-10-90

DATE: 12-10-90
BY: [Signature]

FILED: 12-10-90
HOBBS NEW MEX. TO BEAT 119
5001007-0101

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

RE: Proposed:

MC _____
DHC _____
NSL X _____
NSP _____
SWC _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Greenhill Petroleum Corp. Lovington Padlock lot #93-K
Operator Lease & well No. Unit S-T-R 31-16-37

and my recommendations are as follows:

Amended - Changed location

Yours very truly,

[Signature]
Jerry Sexson
Supervisor, District

cc:



GREENHILL PETROLEUM CORPORATION

12777 JONES ROAD, SUITE 375
HOUSTON, TEXAS 77070
TELEPHONE (713) 955-1146
FAX (713) 955-5105

Incorporated in Delaware, U.S.A.

December 3, 1990

Oil Conservation Division
State of New Mexico
Energy, Minerals and Natural Resources Dept.
P.O. Box 2088
Santa Fe, NM 87504-2088

Attn: Mike Stogner

Re: Unorthodox Location and Drilling Permit
Proposed Well No. 93
Lovington Paddock
Lea County, New Mexico


Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 93 in the Lovington Paddock Unit, located in Lea County, New Mexico.

The Lovington Paddock Unit is presently developed and being water-flooded utilizing a 40-acre well density. It is believed that infill development: using a 20-acre well density will improve waterflood sweep efficiency and will increase secondary oil recovery. The proposed location for Well No. 93 is located in the interior of the unit and is not competitive with offset wells outside the unit. Information gathered as a result of drilling this infill well will be utilized in evaluating additional infill development potential in the unit and ultimately may be used to evaluate the feasibility of tertiary recovery.

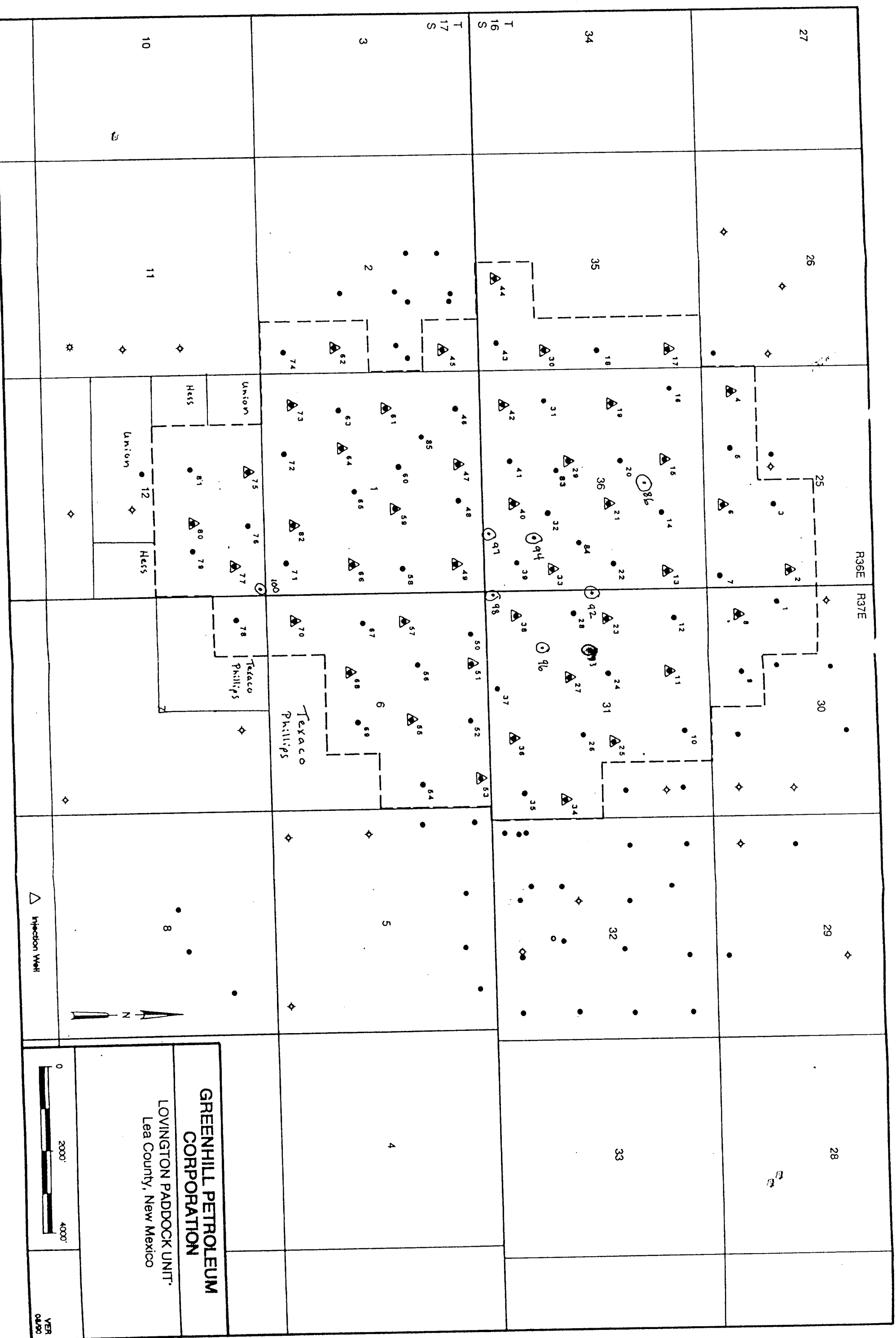
Greenhill Petroleum Corporation wishes to commence drilling operations of the proposed well as soon as possible and would appreciate a response to this request at your earliest convenience.

Respectfully yours,

GREENHILL PETROLEUM CORPORATION


Michael J. Newport
Landman

MJN:JB
Enclosures





STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

11-15-90

WILLIAM W. WATKINS
DIRECTOR

11-15-90
HOBBS NEW MEXICO 88401-1445
11-15-90

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

RE: Proposed:

MC _____
OHC _____
NSL X _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Greenhill Oil Corp. Lovington Subblock Unit #93-K 31-16-37
Operator _____ Lease & Well No. _____ Unit _____ S-T-R _____

and my recommendations are as follows:

Very truly,
Sincerely,

Jerry Sexton
Jerry Sexton
Supervisor, District 1



GREENHILL PETROLEUM CORPORATION

12777 JONES ROAD, SUITE 375
HOUSTON, TEXAS 77070
TELEPHONE (713) 955-1146
FAX (713) 955-5105

Incorporated in Delaware, U.S.A.

November 6, 1990

Oil Conservation Division
State of New Mexico
Energy, Minerals and Natural Resources Dept.
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Attn: Mike Stogner

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Proposed Well No. 93
Lovington Paddock
Lea County, New Mexico

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Greenhill Petroleum Corporation wishes to commence drilling operations on the proposed well as soon as possible and would appreciate a response to this request at your earliest convenience.

Sincerely,

GREENHILL PETROLEUM CORPORATION

Michael J. Newport
Michael J. Newport
Landman

MJN:JB
Enclosure

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)
30-025-31069
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B 7896

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. Lease Name or Unit Agreement Name Lovington Paddock Unit		
b. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Well No. 93		
2. Name of Operator Greenhill Petroleum Corp.			9. Pool name or Wildcat Lovington Paddock		
3. Address of Operator 16010 Barkers Point, Ste., 325, Houston, TX 77079					
4. Well Location Unit Letter <u>K</u> : <u>2300</u> Feet From The <u>South</u> Line and <u>1390</u> Feet From The <u>West</u> Line Section <u>31</u> Township <u>16 South</u> Range <u>37 East</u> NMPM <u>Lea</u> County					
10. Proposed Depth 6350		11. Formation Lovington Paddock		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 3822.8 GR		14. Kind & Status Plug. Bond Blanket		15. Drilling Contractor TBD	
16. Approx. Date Work will start 12/15/90					
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24#	2050	800	Surface
7 7/8	5 1/2	15.5#	6350	500	3000

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

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

SIGNATURE Mike Newport TITLE Landman DATE 11-9-90

TYPE OR PRINT NAME Mike Newport TELEPHONE NO 955-1146

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Flow line from the well to the
gas line on the property.

GREENHILL PETROLEUM CORPORATION
BOP PROGRAM FOR
LOVINGTON PADDOCK WELL # 93

Casing Program

BOP Program

Size	Depth	Wt	Grade	Configuration	Test Pressure
8 5/8"	2050'	24	H40, STC	RA	200 psi
5 1/2"	6350'	15.5	K55, STC	RR	250/1500 psi

* RR - Ram Ram

RA - Ram Annular

Diverter - Hydrill may be substituted for a diverter

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator GREENHILL PETROLEUM CORP.			Lease LOVINGTON PADDOCK UNIT		Well No. 93
Unit Letter K	Section 31	Township 16 SOUTH	Range 37 EAST	County LEA	

Actual Footage Location of Well:

2300 feet from the SOUTH line and	1390 feet from the WEST line
Ground level Elev. 3822.8	Producing Formation Lovington Paddock
Pool Lovington Paddock	Dedicated Acreage: 40 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation unitized
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 interest, has been approved by the Division.

OPERATOR CERTIFICATION

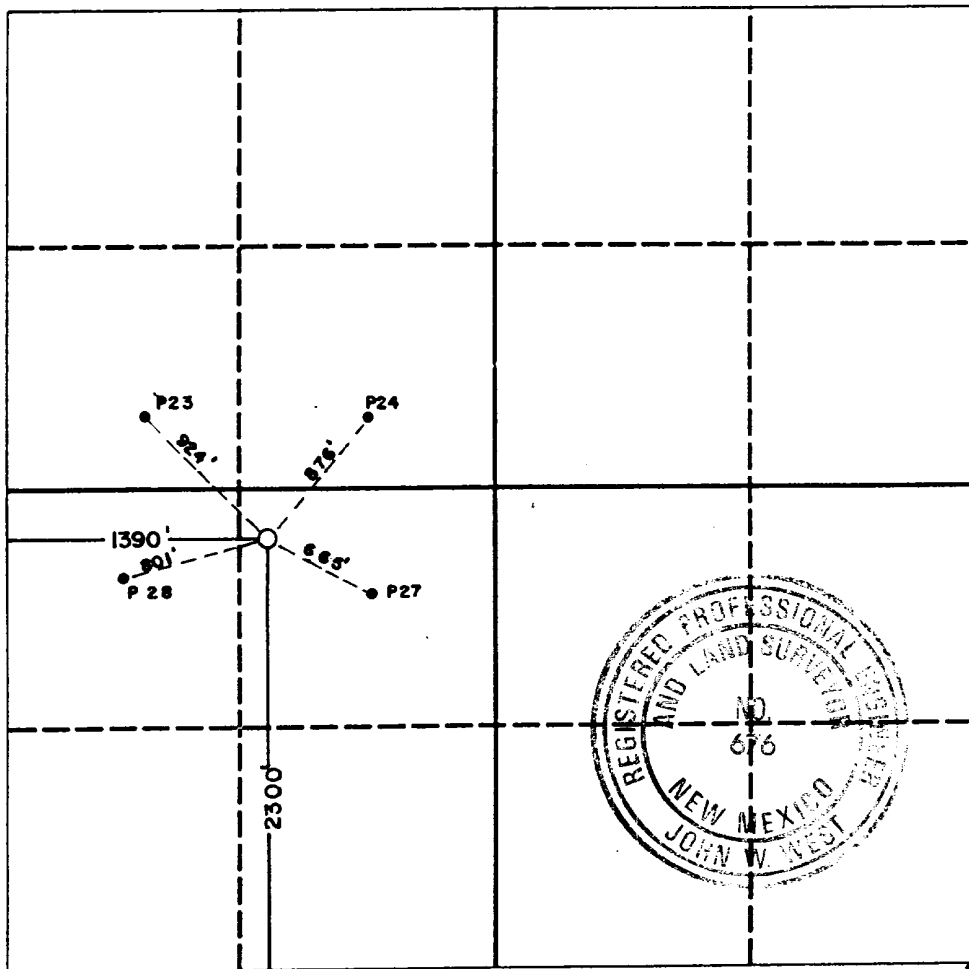
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature <i>Michael J. Newport</i>
Printed Name Michael J. Newport
Position Landman
Company Greenhill Petroleum
Date 11-9-90

SURVEYOR CERTIFICATION

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

Date Surveyed 11-1-90
Signature & Seal of Professional Surveyor <i>John W. West</i>
Certificate No. JOHN W. WEST, 676 RONALD J. EIDSON, 3239



125630

RECEIVED

NOV 15 1930

U.S.
HOUSE OF REPRESENTATIVES

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

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Santa Fe, New Mexico 87504-2088

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API NO. (assigned by OCD on New Wells)
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SIGNATURE Mike Newport TITLE Landman DATE 11-9-90

TYPE OR PRINT NAME Mike Newport TELEPHONE NO. 955-1146

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

For the State of New Mexico
Date of Approval: 11-9-90
Date of Drilling Underway

GREENHILL PETROLEUM CORPORATION
BOP PROGRAM FOR
LOVINGTON PADDOCK WELL # 93

<u>Casing Program</u>				<u>BOP Program</u>	
Size	Depth	Wt	Grade	Configuration	Test Pressure
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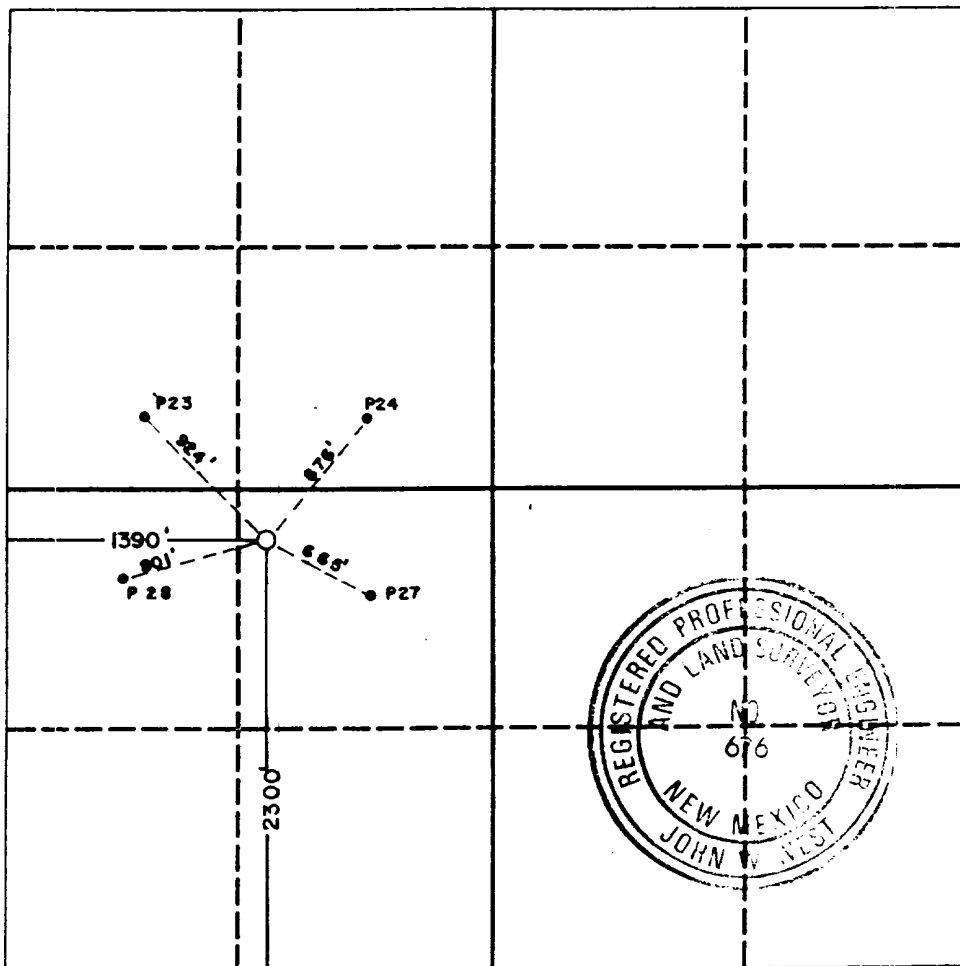
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1000 Rio Benito Rd., Aztec, NM 87410

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Signature
Michael J. Newport
Printed Name
Michael J. Newport
Position
Landman
Company
Greenhill Petroleum
Date
11-9-90

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Date Surveyed
11-1-90

Signature & Seal of
Professional Surveyor

Ronald J. Eidson
Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

128630