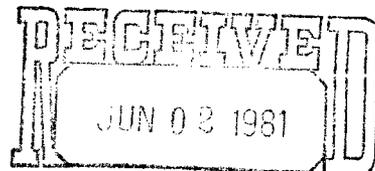


NSL-1377

HENRY ENGINEERING  
Petroleum Engineers  
807 FIRST NATIONAL BANK BUILDING  
MIDLAND, TEXAS 79701  
May 28, 1981



OIL CONSERVATION DIVISION  
SANTA FE

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe Ramey

*NSL Rule 104 F 6-22-81 Pennsylvania  
dedicated Lots 9, 10, 15 and 16 and the NW 1/4 SE 1/4*

Re: Application for Non-Standard Location  
David Fasken - El Paso Federal No. 6  
2430' FNL and 2530' FEL  
Section 2, T-21-S, R-26-E  
Eddy County, New Mexico

Gentlemen:

On behalf of our client, David Fasken, I hereby request administrative approval of a non-standard location for the subject well.

The proposed location represents a suitable drill site that is within 1.4 feet of the surface elevation of 3194 feet set as a minimum by the Pecos River Water Authority as administered by the Bureau of Reclamation. Due to the terrain and the lateral distance from Lake Avalon, I believe that this location will be approved by the Pecos River Water Authority and the Bureau of Reclamation. Within the past year, the minimum elevation for drill sites in the Lake Avalon Area has been changed from 3177 feet to 3194 feet.

Acreage to be dedicated to the subject well consists of Lots 25, 26, 31, 32 and 34 of NM911 Lease and Lots 33, 39 and 40 of NM18964 Lease - 320± acres. The two rows of lots north of the subject well site, Lots 17 through 24, are being preserved for another future production unit. The remaining acreage in Section 2 (Lots 27, 28, 29, 30, 35, 36, 37 and 38) is dedicated to the El Paso Federal No. 2 located in Lot 29.

We are simultaneously filing an application for Permit to Drill, U.S.G.S. Form 9-331C with the U.S.G.S. District Engineer in Roswell, New Mexico.

The offset operators, Arco Oil & Gas Co., Inexco Oil Co., Maralo, Inc., Mobil Oil Corp., and Yates Petroleum Corp. are being notified by Certified Mail of this request. Copies of our request for waiver letters are enclosed.

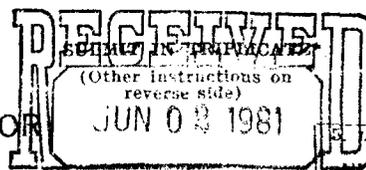
Yours very truly,

HENRY ENGINEERING

*Robert H. Angevine*  
Robert H. Angevine

RHA:jcs  
Attmts.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LEASE DESIGNATION AND SERIAL NO.

911

IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL

OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR

DAVID FASKEN

3. ADDRESS OF OPERATOR

608 First National Bank Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface  
2530' FEL & 2430' FNL of Section 2  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6 miles North of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 2430'

16. NO. OF ACRES IN LEASE

1545 ±

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

2700' 11400'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3192.6' GL

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

El Paso Federal

9. WELL NO.

6

10. FIELD AND POOL, OR WILDCAT

Avalon (Morrow)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 2, T-21-S, R-26-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

23. PROPOSED CASING AND CEMENTING PROGRAM.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.50	400'	350 Lite + 100 "C"
12-1/4"	8-5/8"	24 & 32	3000'	900 Lite + 200 "C"
7-7/8"	4-1/2"	11.60 & 13.50	11400'	1st Stage - 1000 "H" 2nd Stage - 1400 "C" out DV tool @ 7000'

Gas is dedicated to El Paso Natural Gas Co.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNATURE *Robert H. Angevine* TITLE Robert H. Angevine, Agent DATE 5-22-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

RECOMMENDED DRILLING & COMPLETION PROCEDURE

A.F.E. NO. 462

David Fasken ----- EL PASO FEDERAL NO. 6 ----- Avalon (Morrow) Field  
Eddy County, New Mexico

1. Drill 17-1/2" hole to 400' with spud mud.
2. Set 13-3/8" casing at 400', cement to surface and install 12" x 3000 psi W.P. casinghead and B.O.P. stack. (Estimate 350 sxs Halliburton Lite w/1/2# Flocele per sack and 2% CaCl, slurry weight 12.7 ppg, yield 1.85 cf/sx, plus 100 sxs Class "C" with 2% CaCl.)
3. Drill 12-1/4" hole to 3000' with fresh water, control seepage with paper. Dry drill if complete loss of returns is encountered.
4. Set and cement 8-5/8" casing at 3000' with sufficient cement to circulate (Estimate 900 sxs Halliburton Lite with 1/2# Flocele per sack plus 2% CaCl, slurry weight 12.7 ppg, yield 1.85 cf/sx, plus 200 sxs Class "C" with 2% CaCl, slurry weight 14.8 ppg.) W.O.C. 18 hours. If cement does not circulate, run temperature survey and stage cement outside pumped through 1" tubing using Class "C" with 4% CaCl and/or fill up with ready mix concrete - 6 sxs mix with pea gravel aggregate. Install 12" - 3000# W.P. x 10" - 5000# W.P. spool with secondary seal, bit guide, B.O.P.'s, Hydril and choke manifold.
5. On or before 8000' test 8-5/8" casing to 2200 psig and test B.O.P.'s, choke manifold and all wellhead valves to 3000 psig and Hydril to 1500 psig.
6. Install PVT, flow line sensor, and rotating head at 8000'.
7. Drill 7-7/8" hole to estimated T.D. of 11,400' with fresh water. Control seepage with paper and  $P_h$  at 11.0 with lime.
8. At 8000' add potash to 4% KCl concentration, increase viscosity with salt water gel as required to maintain good hole conditions. Decrease water loss as necessary with salt water C.M.C. and starch. At top of

Recommended Drilling & Completion Procedure  
A.F.E. No. 462  
David Fasken - El Paso Federal No. 6  
Avalon (Morrow) Field  
Eddy County, New Mexico

15. Set mast anchors and move in pulling unit.
16. Pressure test casing and Christmas Tree to 4500 psig.
17. Run 2-3/8" tubing N-80, EUE 8RD c/w AB modified couplings, and packer.
18. Displace fluid in well with 3% KCl water containing oxygen scavenger and corrosion inhibitor.
19. Set packer and install Christmas Tree.
20. Swab fluid level to 9000' in tubing.
21. Run Gamma Ray correlation log and perforate Morrow for production.
22. Test well.
23. Stimulate as needed - acid and/or frac.
24. Clean up "load fluid" and test.
25. Run C.A.O.F.P. and pressure build up.
26. Install surface equipment.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

**RECEIVED**  
JUN 02 1981  
Form O-102  
Supersedes O-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

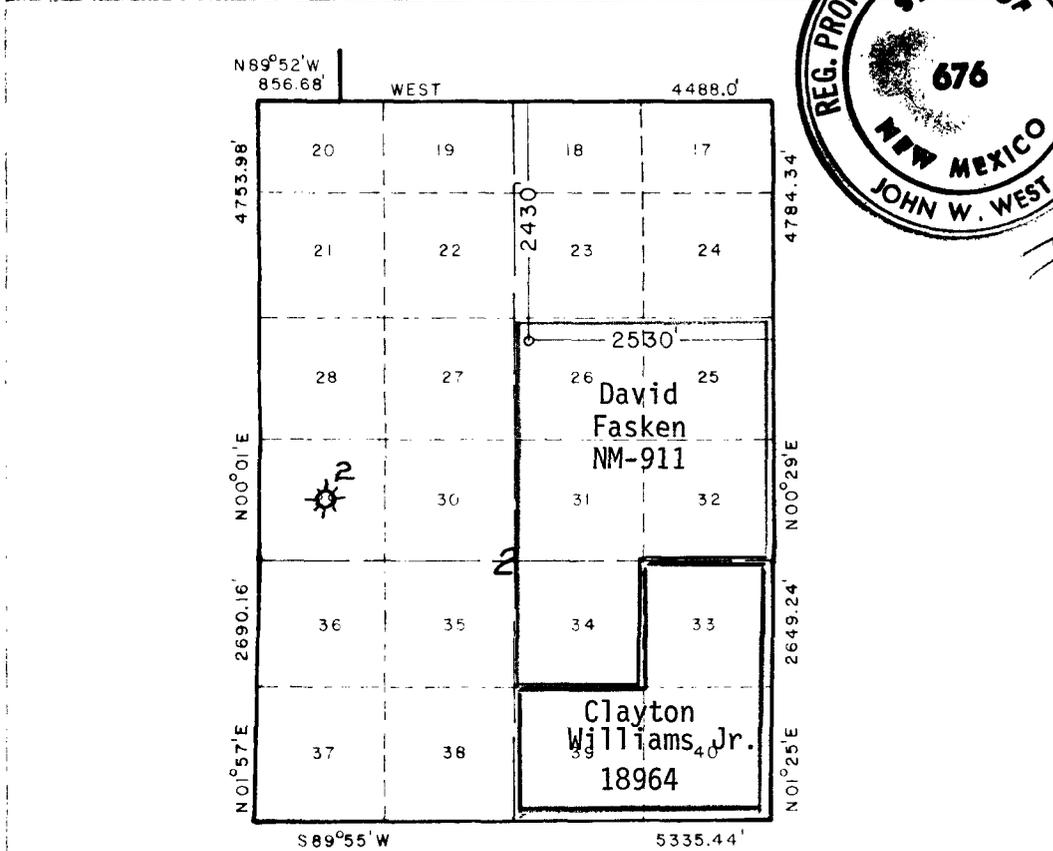
Operator <b>David Fasken</b>		Lease <b>El Paso Federal</b>		Well No. <b>6</b>
Section <b>J</b>	Section <b>2</b>	Township <b>21 South</b>	Range <b>26 East</b>	County <b>SANTA FE</b>

Number of well locations of Well:  
 2430 feet from the North line and 2530 feet from the East line.  
 3192.6' Morrow Avalon 320

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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? Working interest unit w/David Fasken as operator.

X Yes [ ] No If answer is "yes," type of consolidation All Federal Acreage - David Fasken Lots 25, 26, 31, 32 & 34; Clayton Williams, Jr. Lots 33, 39 & 40.  
 If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary.)

No oil 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, elimination of interests, has been approved by the Commission.

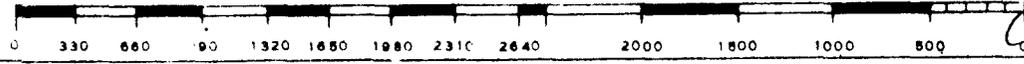


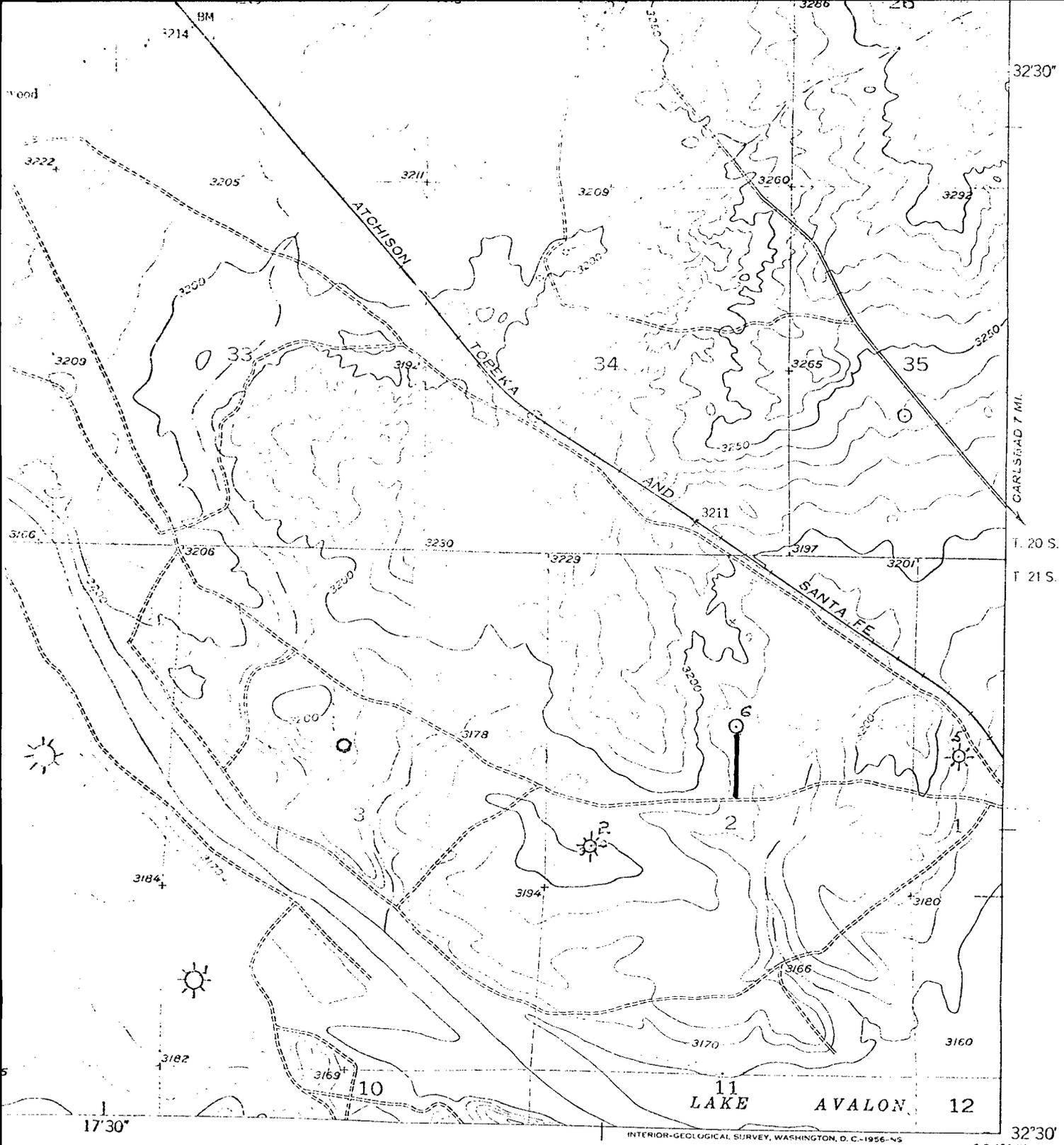
CERTIFICATION  
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Robert H. Angevine*  
 Name: Robert H. Angevine  
 Position: Agent  
 Company: DAVID FASKEN  
 Date: 5-22-81

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

Date Surveyed: May 18, 1981  
 Registered Professional Engineer and/or Land Surveyor  
*John W. West*  
 Certificate No. JOHN W. WEST 676  
 PATRICK A. ROMERO 6463  
 Ronald J. Eidson 3239





INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. - 1956-55  
M R-1853

(CARLSBAD)  
1:62,500

ROAD CLASSIFICATION

- Heavy-duty Light-duty
- Medium-duty Unimproved dirt
- U. S. Route State Route



QUADRANGLE LOCATION

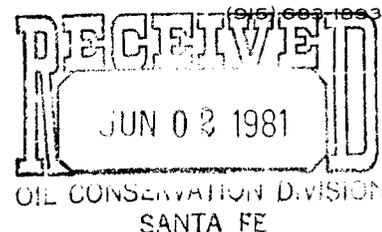
LAKE MC MILLAN SOUTH, N. MEX.  
N3230--W10415/7.5

1955

25, D.C.



HENRY ENGINEERING  
*Petroleum Engineers*  
807 FIRST NATIONAL BANK BUILDING  
MIDLAND, TEXAS 79701



May 28, 1981

Arco Oil and Gas Corporation  
P. O. Box 1610  
Midland, Texas 79702

Attention: Mr. J. J. Johnston

Gentlemen:

We are filing for administrative approval by the New Mexico Energy and Minerals Department, Oil Conservation Division, for a non-standard location for the David Fasken El Paso Federal No. 6 located 2430' FNL and 2530' FEL, Section 2, T-21-S, R-26-E, Eddy County, New Mexico.

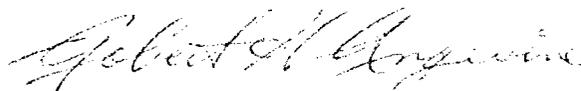
This unorthodox location is necessitated by the topography in this drilling unit and the requirements of the Pecos River Water Authority that all drill sites be at an elevation of 3194 feet. This location falls 1.4 feet short of that requirement, but it is the only spot available (see enclosed plats).

In your capacity as an offset operator, we are asking that you submit a waiver to the State of New Mexico Energy and Minerals Department, Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501, attention Mr. Joe Ramey.

We are enclosing a prepared waiver letter and request that you sign and forward it or one of your own composition to Mr. Ramey.

Yours very truly,

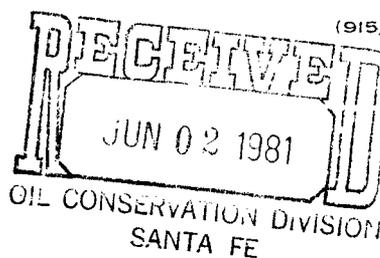
HENRY ENGINEERING

  
Robert H. Angevine

RHA:jcs  
Attmts.

VIA CERTIFIED MAIL NO. 296552

HENRY ENGINEERING  
*Petroleum Engineers*  
807 FIRST NATIONAL BANK BUILDING  
MIDLAND, TEXAS 79701



May 28, 1981

Inexco Oil Company  
1100 Milam Building, Suite 1900  
Houston, Texas 77002

Attention: Mr. William G. Goodwin  
Vice President

Gentlemen:

We are filing for administrative approval by the New Mexico Energy and Minerals Department, Oil Conservation Division, for a non-standard location for the David Fasken El Paso Federal No. 6 located 2430' FNL and 2530' FEL, Section 2, T-21-S, R-26-E, Eddy County, New Mexico.

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We are enclosing a prepared waiver letter and request that you sign and forward it or one of your own composition to Mr. Ramey.

Yours very truly,

HENRY ENGINEERING

*Robert H. Angevine*  
Robert H. Angevine

RHA:jcs  
Attmts.

VIA CERTIFIED MAIL NO. 296553

HENRY ENGINEERING  
*Petroleum Engineers*  
807 FIRST NATIONAL BANK BUILDING  
MIDLAND, TEXAS 79701



May 28, 1981

Maralo, Inc.  
4600 Post Oak Place, Suite 307  
Houston, Texas 77027

Gentlemen:

We are filing for administrative approval by the New Mexico Energy and Minerals Department, Oil Conservation Division, for a non-standard location for the David Fasken El Paso Federal No. 6 located 2430' FNL and 2530' FEL, Section 2, T-21-S, R-26-E, Eddy County, New Mexico.

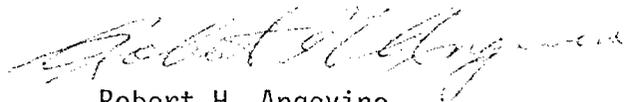
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Yours very truly,

HENRY ENGINEERING

  
Robert H. Angevine

RHA:jcs  
Attmts.

VIA CERTIFIED MAIL NO. 296554

HENRY ENGINEERING  
*Petroleum Engineers*  
807 FIRST NATIONAL BANK BUILDING  
MIDLAND, TEXAS 79701

RECEIVED  
JUN 02 1981  
OIL CONSERVATION DIVISION  
SANTA FE

May 28, 1981

Mobil Oil Corporation  
Nine Greenway Plaza East, Suite 2700  
Houston, Texas 77046

Attention: Mr. H. C. Patton

Gentlemen:

We are filing for administrative approval by the New Mexico Energy and Minerals Department, Oil Conservation Division, for a non-standard location for the David Fasken El Paso Federal No. 6 located 2430' FNL and 2530' FEL, Section 2, T-21-S, R-26-E, Eddy County, New Mexico.

This unorthodox location is necessitated by the topography in this drilling unit and the requirements of the Pecos River Water Authority that all drill sites be at an elevation of 3194 feet. This location falls 1.4 feet short of that requirement, but it is the only spot available (see enclosed plats).

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We are enclosing a prepared waiver letter and request that you sign and forward it or one of your own composition to Mr. Ramey.

Yours very truly,

HENRY ENGINEERING

  
Robert H. Angevine

RHA:jcs  
Attmts.

VIA CERTIFIED MAIL NO. 296555

HENRY ENGINEERING  
*Petroleum Engineers*  
807 FIRST NATIONAL BANK BUILDING  
MIDLAND, TEXAS 79701

May 28, 1981



Yates Petroleum Corporation  
207 South Fourth Street  
Artesia, New Mexico 88210

Gentlemen:

We are filing for administrative approval by the New Mexico Energy and Minerals Department, Oil Conservation Division, for a non-standard location for the David Fasken El Paso Federal No. 6 located 2430' FNL and 2530' FEL, Section 2, T-21-S, R-26-E, Eddy County, New Mexico.

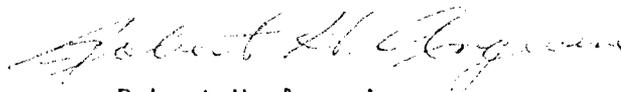
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Yours very truly,

HENRY ENGINEERING

  
Robert H. Angevine

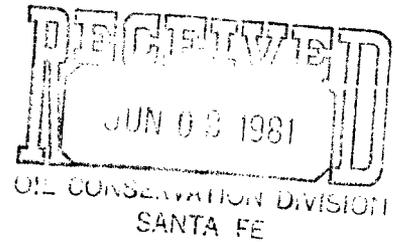
RHA:jcs  
Attmts.

VIA CERTIFIED MAIL NO. 296556

YATES PETROLEUM CORPORATION

207 South Fourth Street

Artesia, New Mexico 88210  
Phone: (505) 748-1331



State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

June 1, 1981

1377

Attention: Mr. Joe Ramey

Re: Non-Standard Location  
David Fasken El Paso Federal No. 6  
2430' FNL & 2530' FEL  
Section 2, T-21-S, R-26-E  
Eddy County, New Mexico

Gentlemen:

We have been advised of the necessity for the location of the subject well due to terrain and to comply with the elevation requirements of the Pecos River Water Authority in the vicinity of the Avalon Reservoir.

We have no objection to the drilling of this well at the proposed site.

Yours very truly,

YATES PETROLEUM CORPORATION

By   
Land Manager

/bh

cc: Henry Engineering  
807 First National Bank Building  
Midland, Texas 79701

RECEIVED  
JUN 05 1981  
OIL CONSERVATION DIVISION  
SANTA FE

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

1377

Attention: Mr. Joe Ramey

Re: Non-Standard Location  
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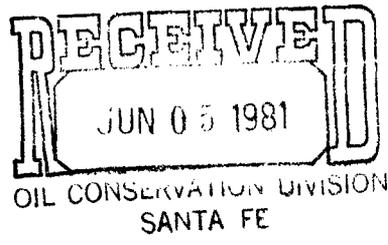
Yours very truly,

~~MOBIL OIL CORPORATION~~

By

*J. A. Morris*  
6/3/81

1377



State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe Ramey

Re: Non-Standard Location  
David Fasken El Paso Federal No. 6  
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We have no objection to the drilling of this well at the proposed site.

Yours very truly,

INEXCO OIL COMPANY

By   
WILLIAM G. GOODWIN  
Vice President



1377

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe Ramey

Re: Non-Standard Location  
David Fasken El Paso Federal No. 6  
2430' FNL & 2530' FEL  
Section 2, T-21-S, R-26-E  
Eddy County, New Mexico

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We have no objection to the drilling of this well at the proposed site.

Yours very truly,

ARCO OIL & GAS COMPANY

By Ted J. Spalding

1377

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

RECEIVED  
OIL CONSERVATION DIVISION  
SANTA FE, N.M.  
JUN 10 1968

Attention: Mr. Joe Ramey

Re: Non-Standard Location  
David Fasken El Paso Federal No. 6  
2430' FNL & 2530' FEL  
Section 2, T-21-S, R-26-E  
Eddy County, New Mexico

Gentlemen:

We have been advised of the necessity for the location of the subject well due to terrain and to comply with the elevation requirements of the Pecos River Water Authority in the vicinity of the Avalon Reservoir.

We have no objection to the drilling of this well at the proposed site.

Yours very truly,

MARALO, INC.

By R.A. Lavery

RECEIVED  
JUN 15 1981  
OIL CONSERVATION DIVISION  
SANTA FE  
(915) 683-1893

HENRY ENGINEERING  
*Petroleum Engineers*  
807 FIRST NATIONAL BANK BUILDING  
MIDLAND, TEXAS 79701

June 9, 1981

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

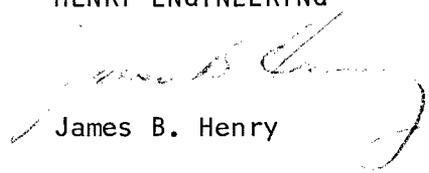
Re: Application for Non-Standard Location  
David Fasken - El Paso Federal No. 6  
2430' FNL and 2530' FEL  
Section 2, T-21-S, R-26-E  
Eddy County, New Mexico

Gentlemen:

Confirming my telephone conversation today with Mr. Richard Stametz with reference to the captioned application, you will find enclosed a list of all the working interest owners in subject well, all of whom have been notified of this application.

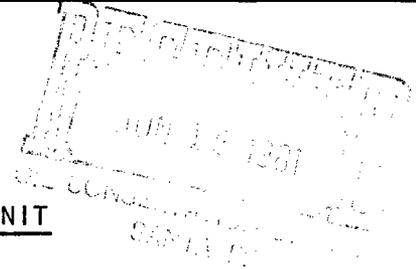
Yours very truly,

HENRY ENGINEERING

  
James B. Henry

JBH:vcz  
Attmt.

EL PASO FEDERAL - AVALON WORKING INTEREST UNIT



Maralo, Inc.  
4600 Post Oak Place  
Suite 207  
Houston, Texas 77027

Mrs. Erma Lowe  
c/o Judge A. W. Moursund  
P. O. Box 1  
Round Mountain, Texas 78663

Mr. T. W. Bittick  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Mr. R. C. Beveridge  
Western Reserves Oil Company  
P. O. Box 993  
Midland, Texas 79701

Mr. Sam H. Martin, Senior Land Agent  
Gulf Oil Exploration & Production Co.  
P. O. Box 1150  
Midland, Texas 79701

Mr. H. C. Patton  
Mobil Producing Texas & New Mexico, Inc.  
Three Greenway Plaza East  
Houston, Texas 77046

Mr. L. J. Tacconi, Area Landman  
Inexco Oil Company  
1100 Milam Building - Suite 1900  
Houston, Texas 77002

Mr. Don McCormick  
Pecos Irrigation Company  
P. O. Box 1718  
Carlsbad, New Mexico 88220

Mr. James B. Henry  
807 First National Bank Bldg.  
Midland, Texas 79701