



OIL CONSERVATION DIVISION  
RECEIVED

OXY USA INC.  
Box 50250, Midland, TX 79710

AUG 12 1992

August 12, 1992

New Mexico Oil Conservation Division  
P. O. Box 2088, State Land Office Bldg.  
Santa Fe, New Mexico 87504

Attention: Mr. Michael E. Stogner, Chief Hearing Officer

Re: Application of OXY USA Inc. for Unorthodox Location Approval and Downhole Commingling Authority for the Elizando Federal "A" Lease, Well #2-Y, Section 21, T-21-S, R-27-E, Eddy County, New Mexico.

Dear Mr. Stogner:

OXY USA Inc. respectfully requests administrative approval of an unorthodox location and downhole commingling authority for the referenced well. This well was originally to be drilled at a unorthodox location 1980' FSL & 1780' FWL of Section 21 with a S/2 proration unit. OXY's predecessor sought and received unorthodox location authority for this well at this location (attached letter dated 3-20-74 and NSL-649). We spudded the well at this location but encountered difficulty in the drilling operations. Consequently, the rig was skidded 100' south and the #2-Y well was drilled at 1880' FSL & 1780' FWL. It was completed in the Morrow (now called the Burton Flat Morrow Pool). A search of the NMOC records and our files yielded an order (NSL-649) that approved the original unorthodox location at 1980' FSL & 1780' FWL, but no NSL order approving the final unorthodox location at 1880' FSL & 1780' FWL. We are not sure that was necessary, since the final location was no closer to the end boundary than the permitted unorthodox location. Nevertheless, OXY requests administrative approval of an unorthodox location for the referenced well at 1880' FSL & 1780' FWL of Section 21, T-21-S, R-27-E. Said well is to be produced in a downhole commingled state from the La Huerta Strawn and the La Huerta Atoka pools. The proration unit will continue to be the S/2 of Section 21.

In addition to the above petition, OXY additionally requests an exception to Rule 303-A to permit the downhole commingling of production from the La Huerta Strawn and the La Huerta Atoka pools in the subject well. Information supporting this request is attached to this letter.

The Elizando Federal A #2-Y was recompleted from the Burton Flat Morrow pool to the La Huerta Atoka and La Huerta Strawn pools and was put on production at the time of the workover. Our interpretation was that both perforated intervals were in the Atoka. After a review by NMOC Geologist Darryl Moore, it was brought to the attention of OXY USA Inc. that both the Atoka and Strawn had been perforated.

While a definitive zone test has not been conducted on the Atoka and Strawn zones separately, based on pressure response, it is believed that the vast majority of the production is from the La Huerta Atoka. Due to the high shut-in pressure associated with the Elizando Federal A #2-Y and the sensitivity of the Atoka formation to water, OXY USA Inc. feels that further wellbore testing and zone isolation would pose unnecessary safety and economic risks.

All ownership in the different zones is the same. By copy of this letter, all operators of offset spacing units are hereby notified of these requests. OXY believes that granting the unorthodox location and downhole commingling authorities is in the interest of conservation and will prevent waste. If you have any need for additional information, please call Richard E. Foppiano at 915/685-5913 or Scott Gengler at 915/685-5825.

Yours truly,



Scott E. Gengler  
Engineering Advisor  
Western Region - Midland

XC: Offset Operators, Certified Mail  
Bureau of Land Management

## Request for Exemption to Statewide Rule 303-A

Elizando Federal A #2-Y  
La Huerta Atoka & La Huerta Strawn Pools

Reference: Section D Rule 303

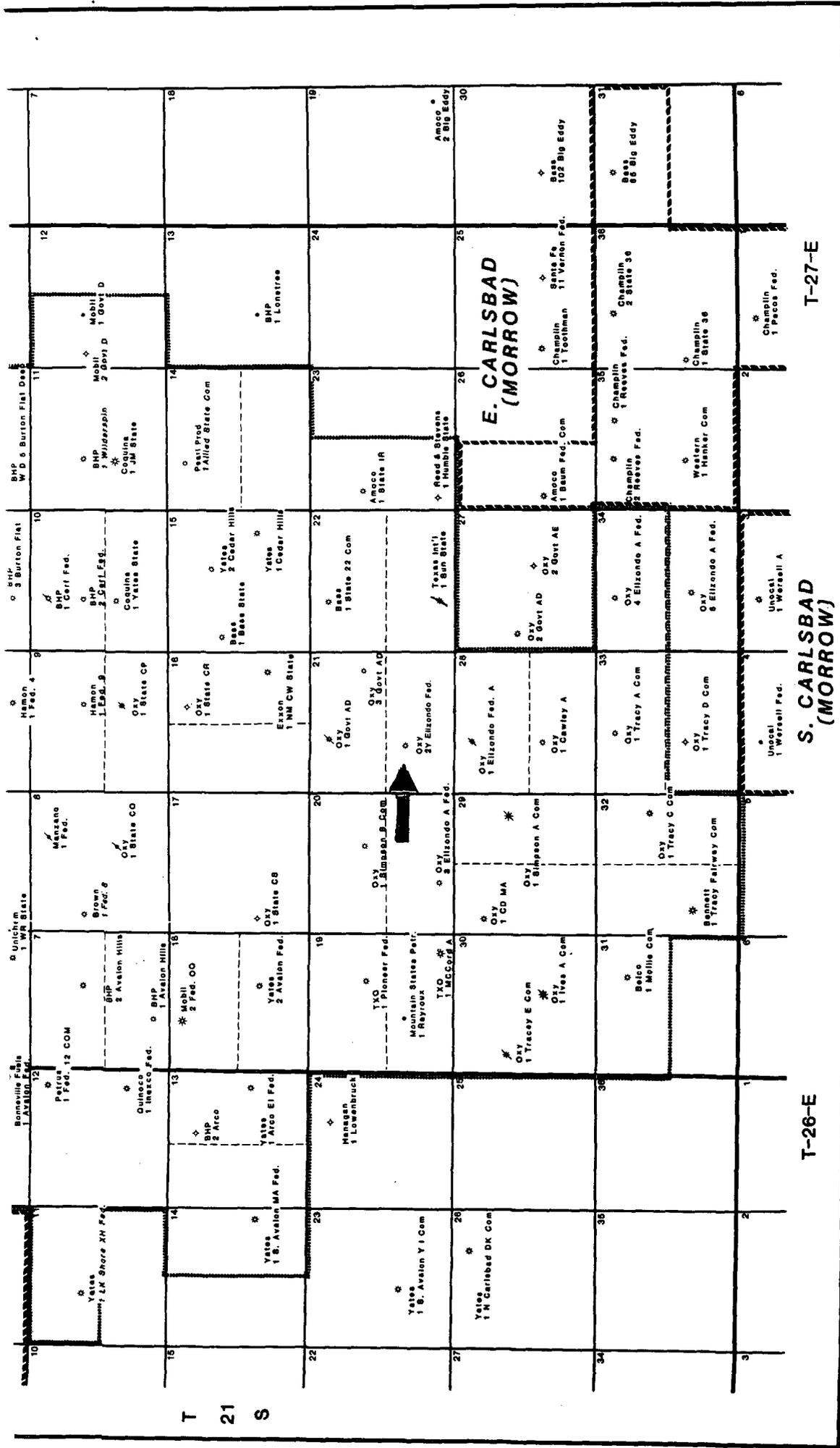
1. OXY USA Inc.  
P.O. Box 50250  
Midland, Texas 79710
2. Elizando Federal A #2-Y  
1880' FSL & 1780' FWL  
Section 21, T-21-S, R-27-E  
Eddy County, New Mexico  
  
La Huerta Atoka & La Huerta Strawn Pools
3. Plat of Area can be seen in Exhibits A,B, and C.
4. Form C-116 for the La Huerta Atoka and La Huerta Strawn can be seen in Exhibits D and E. Test data was estimated based upon pressure response as per item #9 below.
5. Natural Completion. Both the Atoka and Strawn were perforated and produced without any stimulation. Based on pressure response following perforating, the Atoka formation is the dominate producing formation.
6. Bottomhole pressure for the Atoka and Strawn formations was estimated from the hydrostatic fluid column measured during the workover procedure.  
  
La Huerta Atoka BHP - 4241 psia  
  
La Huerta Strawn BHP - 4188 psia
7. The fluids from the two zones have been analyzed and no incompatibilities exist.
8. Due to the relatively low BTU content of the gas, there will be no reduction in the value of the commingled gas due to commingling.
9. Estimated production based upon pressure response after perforating and log analysis.

<u>Zone</u>	<u>Oil (BOPD)</u>	<u>% Oil</u>	<u>Gas (MCFPD)</u>	<u>% Gas</u>	<u>Water (BWPD)</u>
La Huerta Atoka	1.0	67	628	71	0
La Huerta Strawn	0.5	33	257	29	0

10. By copy of this letter via certified mail, the following offset operators and the Bureau of Land Management have been notified.

Offset Operators

Bass Enterprises Production Co.  
P.O. Box 2760  
Midland, TX 79701



OXY USA INC.

**BURTON FLAT (MORROW) FIELD**

EDDY CO., NEW MEXICO

OUTLINE OF BURTON FLAT (MORROW) FIELD

OUTLINE OF OTHER MORROW FIELDS



FEB. 1990

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

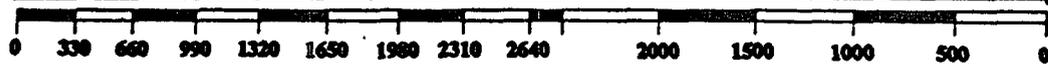
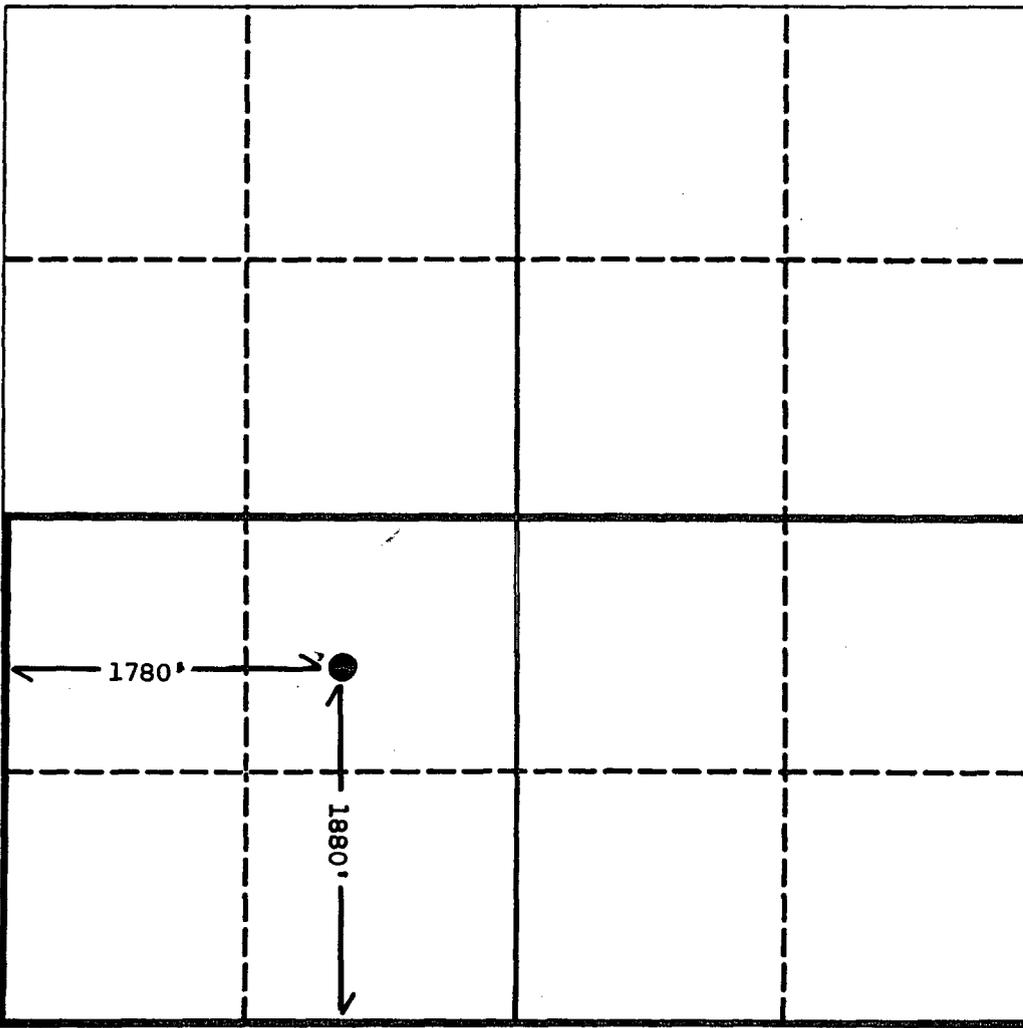
Operator OXY USA Inc.			Lease ELIZONDO A FEDERAL			Well No. 2Y		
Unit Letter K	Section 21	Township 21S	Range 27E	County NMPM		EDDY		
Actual Footage Location of Well: 1880 feet from the South line and 1780 feet from the West line								
Ground level Elev. 3192'	Producing Formation STRAWN			Pool LA HUERTA	Dedicated Acreage: 320 Acres			

- 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 interest 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 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: *Scott Gengler*

Printed Name: SCOTT GENGLER

Position: ENGINEERING ADVISOR

Company: OXY USA Inc.

Date: 4/3/92

**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: \_\_\_\_\_

Signature & Seal of Professional Surveyor: \_\_\_\_\_

Certificate No.: \_\_\_\_\_

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 OXY USA Inc.			Lease ELIZONDO A FEDERAL		Well No. 2Y
Unit Letter K	Section 21	Township 21S	Range 27E	County EDDY	
NMPM					

Actual Footage Location of Well:  
 1880 feet from the South line and 1780 feet from the West line

Ground level Elev. 3192'	Producing Formation ATOKA	Pool LA HUERTA	Dedicated Acreage: 320 Acres
-----------------------------	------------------------------	-------------------	---------------------------------

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

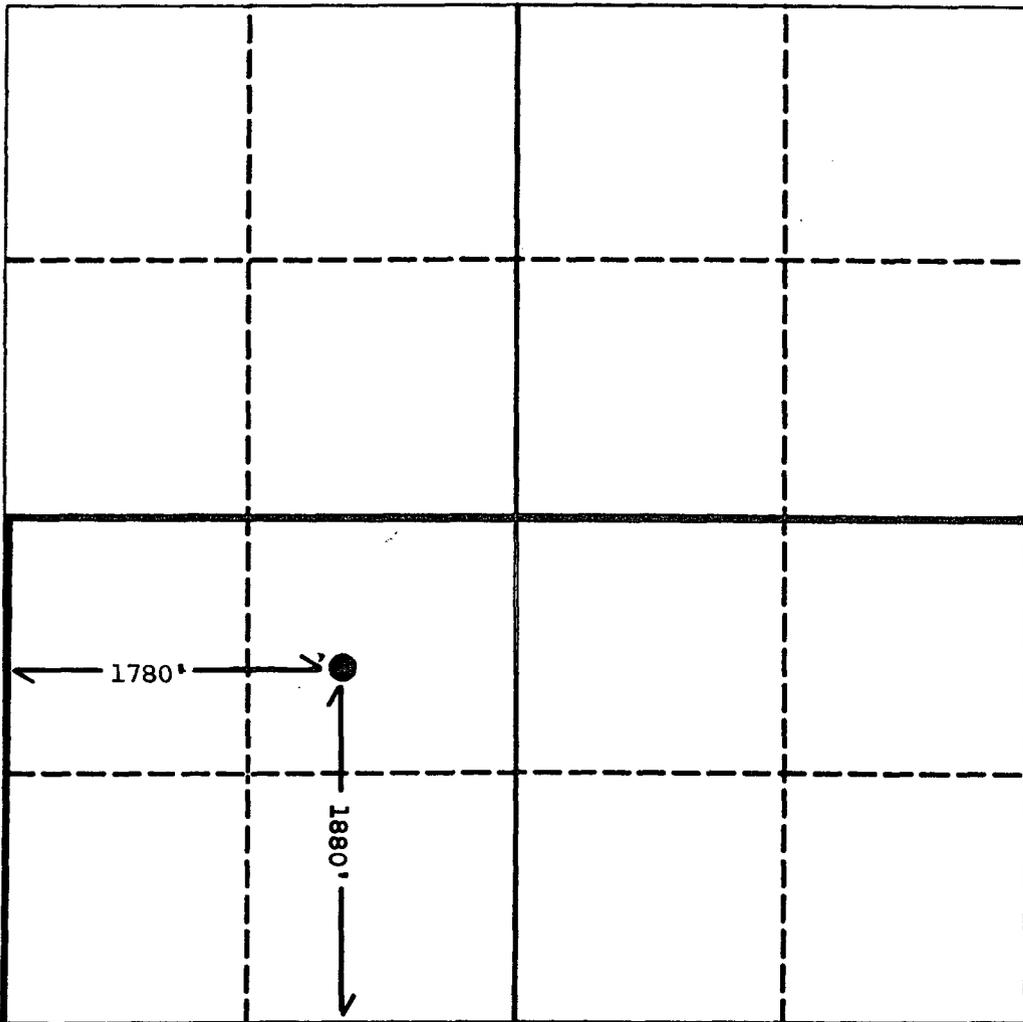
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 \_\_\_\_\_

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: *Scott Gengler*  
 Printed Name: SCOTT GENGLER  
 Position: ENGINEERING ADVISOR  
 Company: OXY USA Inc.  
 Date: 4/3/92

**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: \_\_\_\_\_  
 Signature & Seal of Professional Surveyor: \_\_\_\_\_  
 Certificate No.: \_\_\_\_\_



Submit 2 copies to Appropriate District Office  
DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-116  
 Revised 1/1/89

**OIL CONSERVATION DIVISION**

DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210  
DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

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

**GAS - OIL RATIO TEST**

Operator		Pool		County																							
OXY USA Inc.		La Huerta Strawn		Eddy																							
Address		WELL NO.		TYPE OF TEST - (X)		SCHEDULED		COMPLETION		SPECIAL		X															
LEASE NAME		DATE OF TEST		CHOKE SIZE		TBG PRESS		DAILY ALLOWABLE		LENGTH OF TEST HOURS		PROD. DURING TEST		GAS - OIL RATIO													
												WATER BBLs.		GRAV OIL		OIL BBLs		GAS MCF		CU.FT/BBL							
Elizando Federal A		2-Y		J		21 21S 27E		5/14/92		F 16/64"		650		Gas		24		0		48		0.5		257		514,000	

Instructions:

During gas-oil ratio test each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25% tolerance in order that well can be assigned increased allowables when authorized by the Division.  
 Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 F. Specific gravity base will be 0.60.  
 Report casing pressure in lieu of tubing pressure for any well producing through casing.  
 (See Rule 301, Rule 1116 & appropriate pool rules)

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

*Scott E. Gengler*  
 Signature

Scott E. Gengler  
 Engineering Advisor  
 Printed name and title  
 June 25, 1992  
 Date  
 915-685-5825  
 Telephone No.

Submit 2 copies to Appropriate District Office  
DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C--116  
 Revised 1/1/89

**OIL CONSERVATION DIVISION**

DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210  
DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

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

**GAS - OIL RATIO TEST**

Operator		Pool		Address		County										
OXY USA Inc.		La Huerta Atoka		P.O. Box 50250, Midland, Texas 79710		Eddy										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)		SCHEDULED	DAILY ALLOWABLE	LENGTH OF TEST HOURS	COMPLETION			SPECIAL	GAS - OIL RATIO CU.FT/BBL	
		U	S	T		R	CHOKE SIZE				TBG PRESS	PROD. WATER BBL.	GRAV OIL			OIL BBL.
Elizando Federal A	2-Y	J	21	21S	27E	5/14/92	F	16/64"	650	Gas	24	0	48	1.0	628	628,000

Instructions:

During gas-oil ratio test each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25% tolerance in order that well can be assigned increased allowables when authorized by the Division.  
 Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 F. Specific gravity base will be 0.60.  
 Report casing pressure in lieu of tubing pressure for any well producing through casing. (See Rule 301, Rule 1116 & appropriate pool rules)

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

*Scott E. Gengler*  
 Signature

Scott E. Gengler  
 Engineering Advisor

Printed name and title

June 25, 1992

Date

915-685-5825

Telephone No.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUBMIT IN TRIPLICATE\***  
(Other instructions on reverse side)

Form approved.  
Budget Bureaus No. 1004-0135  
Expires August 31, 1985

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. <b>NM0354232 - SW962</b>	
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>OXY USA INC.</b>		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <b>P.O. BOX 50250 MIDLAND, TX 79710</b>		8. FARM OR LEASE NAME <b>ELIZONDO A FEDERAL</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1880 FSL 1780 FWL SEC 21 T21S R27E</b>		9. WELL NO. <b>2Y</b>	
14. PERMIT NO. <b>300152133700S01</b>		10. FIELD AND POOL, OR WILDCAT <b>LA HUERTA ATOKA/STRAWN</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>3192</b>		11. SEC. T., R., M., OR BLK AND SURVEY OR AREA <b>SEC 21 T21S R27E</b>	
		12. COUNTY OR PARISH <b>EDDY</b>	13. STATE <b>NM</b>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> <b>DOWNHOLE COMMINGLE</b>		<small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and five pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**REQUEST AUTHORIZATION TO DOWNHOLE COMMINGLE  
THE LA HUERTA ATOKA AND THE LA HUERTA STRAWN ZONES.**

18. I hereby certify that the foregoing is true and correct

SIGNED *[Signature]* TITLE ENGINEERING ADVISOR DATE 4/3/92

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

**\*See Instructions on Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

6<sup>th</sup> Floor Well  
File



CITIES SERVICE OIL COMPANY

Box 4906  
Midland, Texas 79701  
Telephone: 915 684-7131

March 20, 1974

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

Re: Well Spacing  
La Huerta Morrow Pool  
Eddy County, New Mexico

Gentlemen:

Under letter dated March 15, 1974, Cities Service requested an exception to requirements of Rule 104 for the Government X No. 1. We have been advised by the USGS the proposed location falls on the same base lease as our recently completed Elizondo Federal A No. 1 and therefore other wells drilled on this lease should be numbered consecutively.

Cities Service Oil Company respectfully requests an exception to the well location requirements of Rule 104 for the Elizondo Federal A No. 2 at a proposed location 1980' FSL, 1780' FWL, Section 21, T-21-S, R-27-E, NMPM, Eddy County, New Mexico, with the proration unit to be comprised of the S/2 of Section 21. The regular location is 57' west of the Southwest Public Service primary distribution line. To prevent any possible contact with the high voltage line during drilling or possible subsequent workover operations, it is proposed to move the location 200' west of a 1980' orthodox location.

As provided in Rule 104-F, we request an exception be granted without notice and hearing. The offset operator to the east of the proposed proration unit has been notified by certified mail. The Cities Service operated Magruder Unit offsets the proposed proration unit in all remaining directions.

Your early handling of this matter will be appreciated.

Very truly yours,

E. F. Motter  
Engineering Manager  
Southwest Region  
E & P Division

cc: Texas International Petroleum Corporation  
1720 Wilco Bldg.  
Midland, Texas 79701

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

April 17, 1974

Cities Service Oil Company  
Box 4905  
Midland, Texas 79701

Attention: Mr. E. F. Motter

Administrative Order NSL-649

Gentlemen:

Reference is made to your application for approval of a non-standard gas well location in an undesignated Morrow gas pool, to be located 1930 feet from the South line and 1780 feet from the West line of Section 21, Township 21 South, Range 27 East, N14PM, Eddy County, New Mexico.

By authority granted me under the provisions of Order No. 2-104 F, the above-described unorthodox location is hereby approved.

Very truly yours,

A. L. PORTER, JR.  
Secretary-Director

ALP/JEK/jr

cc: Oil Conservation Commission - Artesia  
Oil & Gas Engineering Committee - Hobbs  
U. S. Geological Survey - Artesia