STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

November 30, 1993

Oryx Energy Company
P.O. Box 2880
Dallas, TX 75221-2880

Attention: Charles A. Gray

Administrative Order DD-90

Dear Mr. Gray:

Under the provisions of General Rule 111 (c), (d) and (e), Oryx Energy Company made application to the New Mexico Oil Conservation Division on November 24, 1993, for authorization to directionally drill its proposed West Indian Basin Unit Well No. 2, Lea County, New Mexico.

The Division Director Finds That:

(1) The application has been duly filed under the provisions of Rule 111(d) and (e) of the Division General Rules and Regulations;

(2) Satisfactory information has been provided that all offset operators have been duly notified;

(3) The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 will be met; and

(4) Waivers of objection from all offsetting operators have been received.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Oryx Energy Company, is hereby authorized to directionally drill its West Indian Basin Unit Well No. 2, located at a standard gas well location 1980 feet from the North line and 1650 feet from the East line (Unit G) of Section 20, Township 21 South, Range 23 East, NMPM, Lea County, New Mexico, by plugging the existing wellbore back to a depth of 4500 feet and then kicking off from the vertical and drilling in such a manner as to bottom in the Indian Basin Upper Pennsylvanian Gas Pool at a standard gas well location (pursuant to the Special Pool Rules) in the SW/4 NE/4 of said Section 20.

Administrative Order NSL-4823
Mewbourne Oil & Gas Onshore, LLC
March 23, 2009
Page 2

Well No. 5 is hereby approved.

Sincerely,

Mark E. Fesmire, P.E.
Director

LWM/MEF/

cc: New Mexico Oil Conservation Division - Artesia
U.S. Bureau of Land Management - Carlsbad
File: Law-90

Rec. 11/24/93
Release 11/29/93

May 21, 1991

Oryx Energy Company
P.O. Box 2880
Dallas, Texas 75221-2880
Attention: Charles A. Gray

*Administrative Order DD-*90

Dear Mr. Gray:

Under the provisions of General Rule 111 (c), (d) and (e), Oryx Energy Company made application to the New Mexico Oil Conservation Division on November 24, 1993, for authorization to directionally drill its ~~proposed~~ existing West Indian Basin Unit Well No. 2, Lea County, New Mexico.

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(2) Satisfactory information has been provided that all offset operators have been duly notified;

(3) The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 will be met; and

(4) ~~No objections have been received within the waiting period prescribed by said rule.~~ Waivers of objection from all off-setting operators have been received

(3) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(4) ~~The~~ All _____ of said Section 20 shall be dedicated to the well forming a standard 640 -acre gas spacing and proration unit for the subject pool.

(5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY
Director

S E A L

cc: Oil Conservation Division - Artesia
USBLM - Carlsbad

ORYX

Oryx Energy Company
13155 Noel Road
Dallas TX 75240-5067
PO Box 2880
Dallas TX 75221-2880
214 715 4000

November 23, 1993

Marathon Oil Company
P. O. Box 552
Midland, Texas 79710

VIA FAX: 915-687-8431

Attention: Mr. Joe Madron

**RE: WEST INDIAN BASIN UNIT WELL NO. 2,
INDIAN BASIN UPPER PENN GAS POOL,
SECTION 20, TOWNSHIP 21S, RANGE 23E,
NMPM SURVEY, EDDY COUNTY, NEW MEXICO**

Dear Mr. Madron:

Oryx Energy Company is requesting your waiver in order to plug back the above referenced well, which has developed a casing leak, and directionally drill to an orthodox bottomhole location.

The current location of the well is 1659' FEL and 1965' FNL of Section 20. The proposed bottomhole location after directional drilling would be 1709' FEL and 1685' FNL of Section 20, approximately 280' North and 50' West of the original location.

Please find attached a faxed copy of Oryx Energy's proposed procedure, location/offset operator plats, and before and after well completion sketches. If you as an offset operator have no objection to Oryx Energy's proposed directional drilling application, please sign the waiver portion of this letter and fax to the attention of Charles Gray, Fax No. 214-715-3752, as soon as possible. Then mail the original signed fax to Mr. Michael E. Stogner, State of New Mexico Oil Conservation Commission, P. O. Box 2088, Santa Fe, New Mexico 87504.

Oryx Energy apologizes for any inconvenience this may cause you, but your cooperation and assistance in this matter will be greatly appreciated, and you may rest assured that Oryx Energy will try and respond in a like manner, should you need our waivers or assistance in the future.

Very truly yours,

Charles A. Gray
Area Manager, Regulatory Affairs

CAG/wl
Enclosures

L-0063.CAG

WAIVER

MARATHON OIL COMPANY has been advised of Oryx Energy Company's application to intentionally deviate their West Indian Basin Unit Well No. 2, located in the Indian Basin Upper Penn Gas Pool, Section 20, Township 21S, Range 23E, Eddy County, New Mexico. It is our understanding that the proposed deviation will conclude at an orthodox location approximately 1685' FNL and 1709' FEL of Section 20. Based on this proposal Marathon hereby waives all objection to Oryx Energy's requested deviation.

MARATHON OIL COMPANY

Signed: R. E. Collard for TNT

Title: Engineering Manager

Date: 11/23/93

L-0062.CAG

Oryx Energy Company
13155 Noel Road
Dallas TX 75240-5067
PO Box 2880
Dallas TX 75221-2880
214 715 4000

ORYX

November 23, 1993

New Mexico Oil Conservation Commission
State Land Office Building
310 Old Santa Fe Trail
Santa Fe, New Mexico 87504

VIA FEDERAL EXPRESS

Rec. 11/24/93

Attention: Michael E. Stogner
Commission Engineer

**RE: WEST INDIAN BASIN UNIT WELL NO. 2,
INDIAN BASIN UPPER PENN GAS POOL,
SECTION 20, TOWNSHIP 21S, RANGE 23E,
EDDY COUNTY, NEW MEXICO**

Dear Mr. Stogner:

Attached for your review is Oryx Energy Company's application to plug back and intentionally deviate the above referenced well.

The current location of the well is 1659' FEL and 1965' FNL of Section 20. Oryx proposes to directionally drill the well to a location approximately 1709' FEL and 1685' FNL of Section 20, which should keep the well at an orthodox location. If productive, the well will be assigned the full acreage contained in Section 20.

Marathon Oil Company is the only offset operator adjacent to Oryx's lease, and Marathon has been furnished notice of this application as of this date, along with a request for waiver of objection. If the subject waiver is executed, Oryx will fax you a signed copy and Marathon will mail you the faxed/signed original.

Since Oryx has contract commitments on the subject well, any assistance from you, which would speed up the approval process, would be greatly appreciated. Please do not hesitate to contact me if I can help in any manner, and thank you for your cooperation and understanding.

Respectfully submitted,

Charles A. Gray

Charles A. Gray
Area Manager, Regulatory Affairs

CAG/wl
Enclosure

L-0063.CAG

Oryx Energy Company
13155 Noel Road
Dallas TX 75240-5067
PO Box 2880
Dallas TX 75221-2880
214 715 4000

ORYX

November 23, 1993

Marathon Oil Company
P. O. Box 552
Midland, Texas 79710

VIA FAX: 915-687-8431

Attention: Mr. Joe Madron

**RE: WEST INDIAN BASIN UNIT WELL NO. 2,
INDIAN BASIN UPPER PENN GAS POOL,
SECTION 20, TOWNSHIP 21S, RANGE 23E,
NMPM SURVEY, EDDY COUNTY, NEW MEXICO**

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Oryx Energy apologizes for any inconvenience this may cause you, but your cooperation and assistance in this matter will be greatly appreciated, and you may rest assured that Oryx Energy will try and respond in a like manner, should you need our waivers or assistance in the future.

Very truly yours,

COPY

Charles A. Gray

Charles A. Gray
Area Manager, Regulatory Affairs

CAG/wl
Enclosures

L-0062.CAG

WAIVER

MARATHON OIL COMPANY has been advised of Oryx Energy Company's application to intentionally deviate their West Indian Basin Unit Well No. 2, located in the Indian Basin Upper Penn Gas Pool, Section 20, Township 21S, Range 23E, Eddy County, New Mexico. It is our understanding that the proposed deviation will conclude at an orthodox location approximately 1685' FNL and 1709' FEL of Section 20. Based on this proposal Marathon hereby waives all objection to Oryx Energy's requested deviation.

MARATHON OIL COMPANY

Signed: _____

Title: _____

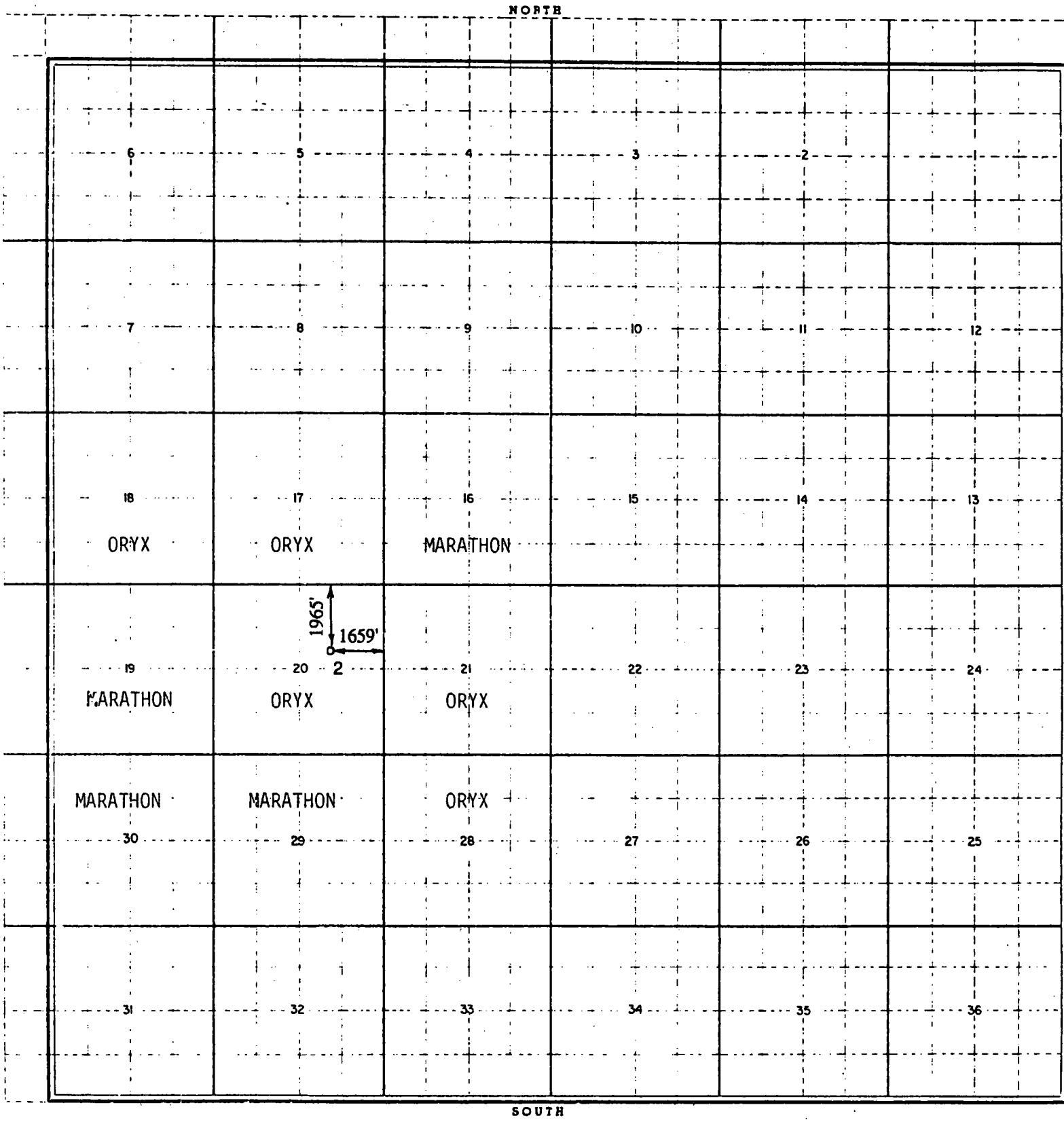
Date: _____

Copy

L-0062.CAG

Township No. 21S of Range No. 23E West of the Principal Meridian

Eddy County New Mexico



OFFSET OPERATOR

MARATHON OIL COMPANY
Attn: Mr. Joe Madron
P.O. Box 552
Midland, TX 79710

ORYX ENERGY COMPANY

OFFSET OPERATORS
WEST INDIAN BASIN UNIT
WELL NO. 2

Eddy County, New Mexico
Scale: 1"= 4000'

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-

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	Lease	Well No.
ORYX ENERGY COMPANY	WEST INDIAN BASIN UNIT	2

Unit Letter	Section	Township	Range	County
G	20	21 SOUTH	23 EAST NMPM	EDDY

Actual Footage Location of Well:
1965 feet from the NORTH line and 1659 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3988.7	Upper Penn	Indian Basin Upper Penn	640 Acres

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

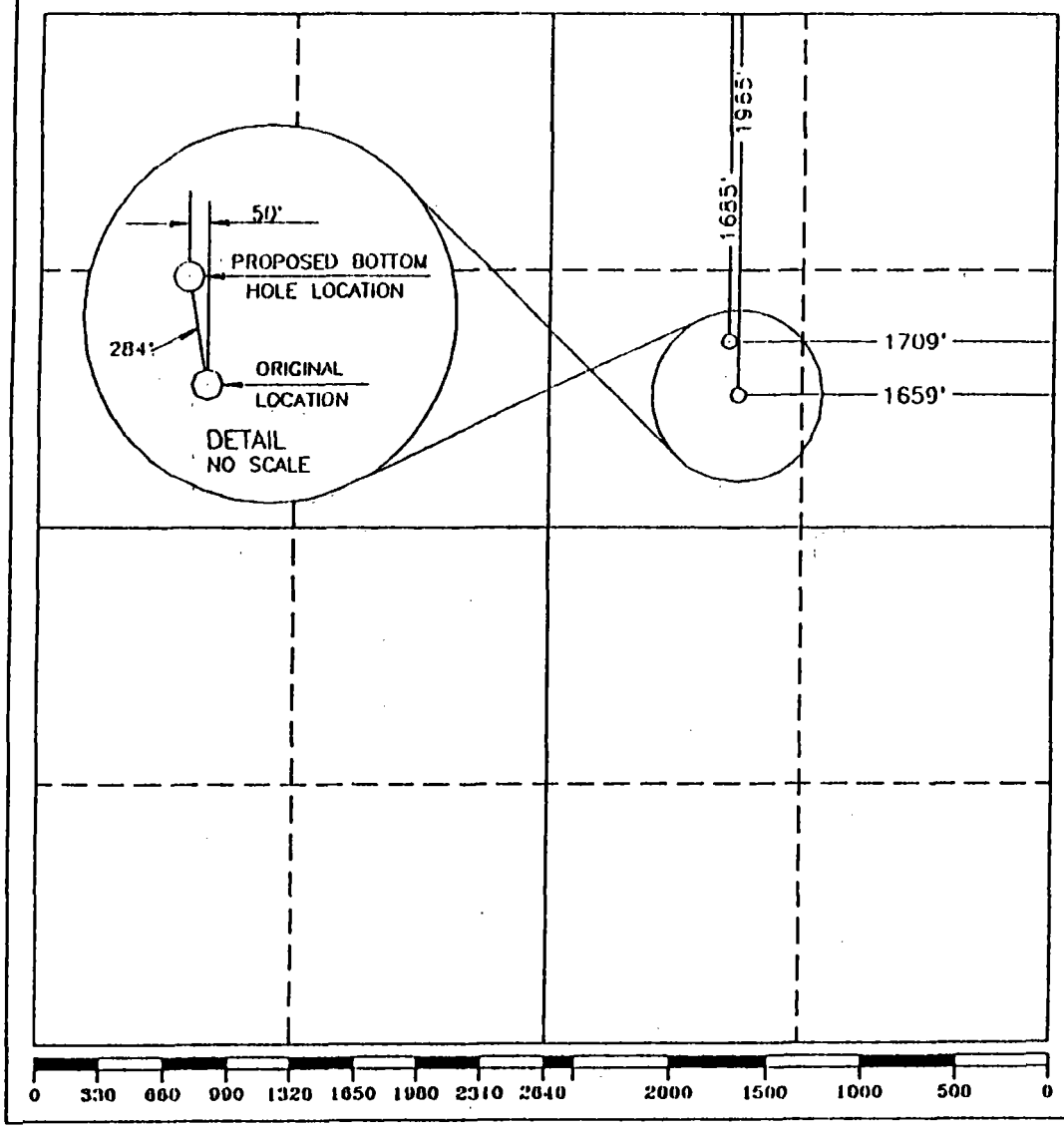
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the 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 of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary. _____

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature: Red L Bailey
Printed Name: Red L. Bailey
Position: Analyst
Company: ORYX ENERGY
Date: 11-12-93

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: JULY 14, 1993

Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
JOHN W. WEST
RONALD J. EIDSON
GARY L. JONES

Certificate No. 676 3239 7977

DATE: November 11, 1993

WELL: WEST INDIAN BASIN UNIT #2
INDIAN BASIN FIELD
EDDY COUNTY, NEW MEXICO

DATA

PERMANENT ZERO POINT: ZERO = KB = 13'AGL
UPPERMOST PLUG: 7136'
RETAINER: 7300', CIBP @ 7305, RBP @ 7426, CIBP @ 7470
CASING: 4-1/2" 9.5, 10.5, 11.6 J-55 DEPTH SET @ 7665
PACKER DEPTH (TOP) & TYPE: NONE
TUBING: NONE DEPTH SET @
TOC: 6400'(calc.) LOG:
PERFS: UPPER PENN (7196-7246)
SQZD: (7069-76) (7083-87) (7093-7100) (7112-27) (7146-56) (7159-87) (7192-94) (7254-62) (7322-7406) (7528-7554) (7530-7553)

PROCEDURE

1. MIRU WORKOVER UNIT. ND WELLHEAD. NU BOP.

2. PU & RIH W/3-7/8" RB, 6- 3-1/8" DC'S ON 2-3/8" 4.7# N-80 TBG. CLEAN OUT TO ±7136. MUD UP AS NECESSARY W/ 8.5 PPG (40 VISCOSITY). POOH.

3. RIH & SET CMT RET @ 7020'.

4. RU HOWCO. EIR INTO PERFS (7069-7127'). SQZ W/75 SXS CLASS 'H' + .5% HALAD 322. STING OUT OF RTNR AND DUMP ADDITIONAL 2 SXS. POOH. WOC.

5. RIH OPEN-ENDED WITH W.S. TO TOC. REPLACE 8.6 PPG WATER WITH 9.5 PPG DRILLING MUD. POOH.

6. RUN FREEPOINT LOG ON 4 1/2" CSG. CUT CASING AS DEEP AS POSSIBLE OR AT 5000'. DO NOT CUT DEEPER THAN 5000'. POOH WITH 4 1/2" CSG.

7. RIH OPEN-ENDED WITH W.S. TO 5050'. SPOT CLASS H CMT FROM 5050' - 4950'. W.O.C.

8. RIH AND TAG TOP OF CMT @ 4950'

9. SPOT CLASS H KICK-OFF PLUG FROM 4700' - 4400'. POOH. WOC.

10. BEGIN DRILLING SIDETRACK AS PER SEPARATE DRILLING PROCEDURE.

WELL COMPLETION SKETCHES SUN-5036-4-A

WELL	FIELD	DATE
West Indian Basin #2	Indian Basin	11-11-93

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

Zero = KB = 13 AGL

13 3/8" 48# @ 188' w/ 200 SXS CIRC

8-5/8" 24# @ 1882' w/ 900 SXS CIRC

CSG LKS 2500-5700'

TOC ≈ 6400' Calc using 7 7/8" Hole 80% Fill # 1.18 yield.

PERFS (7069-7194) all SQZD Twice w/ 93 SXS & 100 SXS CMT

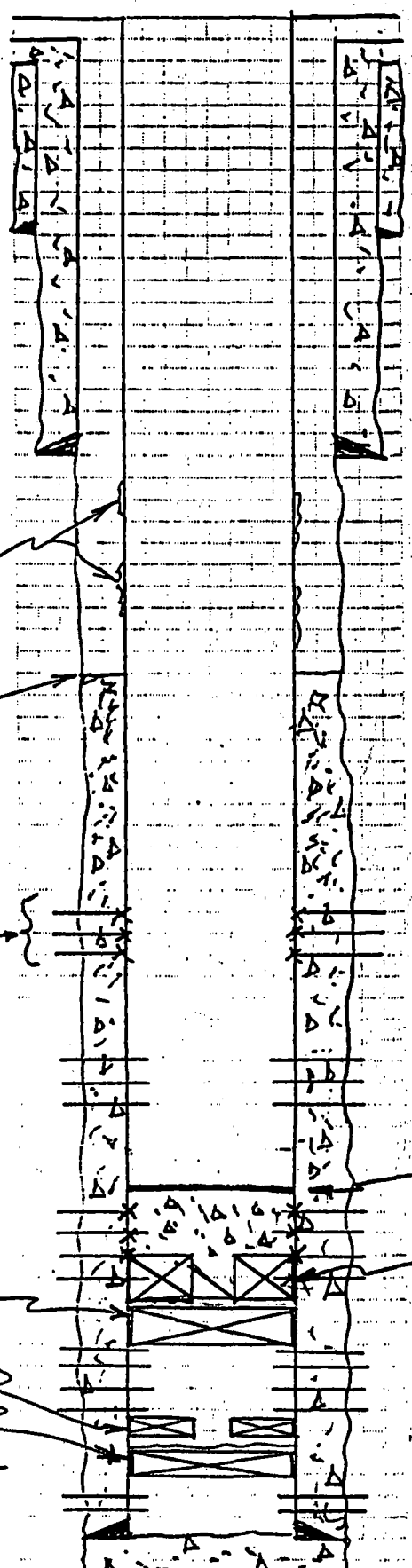
SET CIBP @ 7305'

Stuck RBP @ 7426'

SET CIBP @ 7470'

4 1/2" 9.5, 10.5, 11.6 # J-55 @ 7665' w/ 300 SXS

TD. = 7680'



PBTD = 7136'

DATA ON THIS COMPLETION

PENN PERFS (7196-7246)

HARD CMT @ 7250'

CMT RET @ 7300'

Cisco (7254-62)

Upper Penn: (7322-36 42-58 89-7406)

CANYON (7528-40, 7546-54)

SQZ w/ 35 SXS

SD. DRILL 7530, 32, 34, 36, 38, 40

48 & 53

WELL COMPLETION SKETCHES SUN--5036-4-A

WELL	FIELD	DATE
West Indian Basin #2	Indian Basin	11-22-93

☐ PRESENT COMPLETION ☐ SUGGESTED COMPLETION ☒ Actual Plugback

PERMANENT WELL BORE DATA

Zero = KB = 13 AGL

13 3/8" 48# @ 188' w/ 200 SXS CIRC

8-5/8" 24# @ 1882' w/ 900 SXS CIRC

TOC ≈ 6400' Calc using 7-7/8" Hole 80% Fill & 1.18 yield.

PERFS (7069-7194) all SQZD Twice w/ 93 SXS & 100 SXS CMT

SET CIBP @ 7305'

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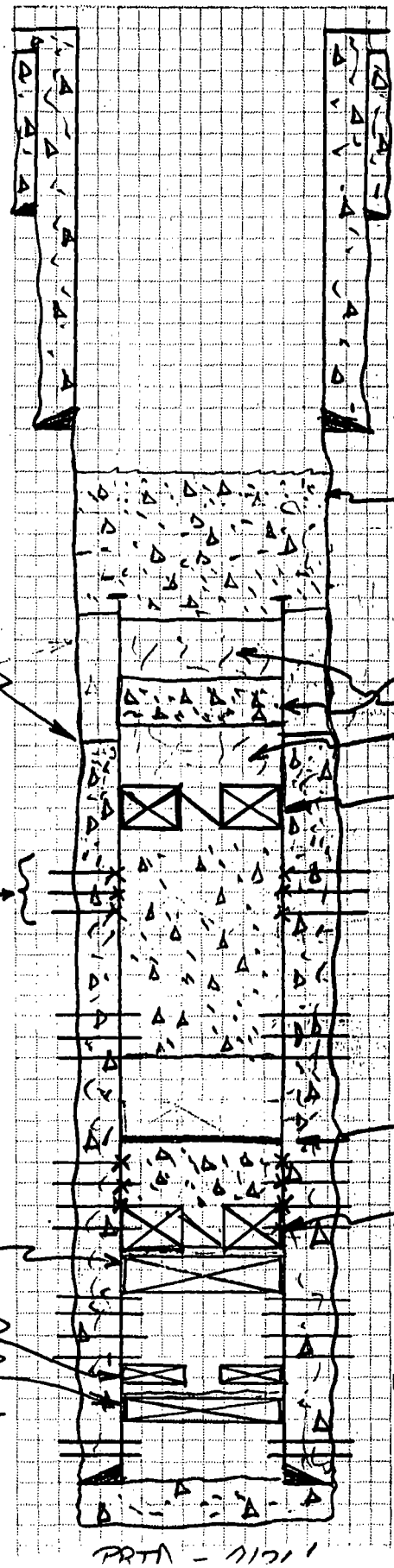
TD = 7680'



PBTD = 7101'

DATA ON THIS COMPLETION

CMT Kickoff Plug (2464-2800)

Top of 4 1/2" Stub @ 2671'

Wolfcamp Plug (5524-5707)

9.5 ppg Drilling Mud

Set CMT Ret @ 7020' SQZ w/ 75 SXS cmt

Penn Perfs (7196-7246)

Hard CMT @ 7250'

CMT Ret @ 7300'

Cisco (7254-62)

Upper Penn: (7322-36 42-58 89-7406)

Canyon (7528-40, 7546-54)

SQZ w/ 35 SXS

SD Drill. 7530, 32, 34, 36, 38, 40, 48 & 53

November 12, 1993

Well: West Indian Basin Unit #2
Indian Basin Field
Eddy County, New Mexico

Operation: Sidetrack Well to Upper Penn Formation

Proposed TD	7485' MD - 7467' TVD
Surface Location:	1980' FNL & 1650' FEL of Sec 20 T21S R23E
BHL:	280' N & 50' W of SL or 1700' FNL & FEL same Section
Hole Size:	7 7/8"
Casing Size:	5 1/2"

Data: Existing Wellbore -

Permanent Zero Point -		KB = 13' AGL
Upper Most Plug -		4400'
Casing -	Intr:	8 5/8" 24# @ 1882'
	Prod:	4 1/2" 9.5,10.5 & 11.6# J-55 5000' - 7665'

Note: Open Hole from 1882' - 5000' left during plugback procedure w/ 9.5# plug mud.

Tubing: None

Procedure:

1. MIRU Drilling Rig. Remove tree. Install and test BOP's.

2. RIH w/ 7 7/8" milltooth bit on drill string w/ +/- 800' of 6 3/4" DC's. Circulate out plug mud with 8.8# drilling mud. Dress off cement plug from 4400' to 4500'. circulate bottoms up and TOH with bit. Maintain mud at 8.6 - 8.8# and 27 - 30 Vis. Sweep hole as necessary with lime and LCM.

3. RU Directional Unit. Run Gyro from PBTD @ 4500' to surf. Take surveys at 200' intervals. Report results to Dallas Office.

4. RIH w/ 4 3/4" Steerable Assembly w/ 1.25^0 single bend motor assembly and MWD to PBTD at 4500'.

5. Orientate motor and kickoff well at 4500'. Build to 10^0 inclination at a 2^0/100' build up rate. End of curve to be at 5000' MD (4997' TVD) and 44' vertical section on an azimuth of 350^0 or N 20^0 W. *Hardlines:* 330' N and 0' E of surface location or 1650' FNL & FEL of lease. Well is presently located on eastern hardline. Continue to maintain mud at 8.6 - 8.8# sweeping hole as required with lime and LCM. Have mud loggers on line by 5000'.

6. Rotate and slide drill holding a 10^0 inclination to 5885' MD (5869' TVD)and 107' of vertical section. Take surveys as required and on trips. Circulate bottoms up and TOH w/ steerable assembly

7. RIH with 7 7/8" bit on a packed assembly with orientated sub. Continue drilling allowing to drop at a -1.0^0 drop rate to a vertical hole at 6885' MD (6864' TVD) and 284' of vertical section. Take single shot surveys at +/- 100' intervals. Mud up at 6000' with potassium acetate, gel and PHPA polymer and circulate through steel pits. Maintain 3000 mg/l of potassium and keep solids below 2%. Control fluid loss with Drispac.

8. Maintain straight hole to TD at +/-7485' MD (7467' TVD). Control fluid loss with Drispac. Lower fluid loss to 10 by 7000'. Lost circulation is possible in the Cisco. Conventional LCM pills have been effective in regaining returns. TD will be 10' into shale below the Cisco as determined by the mud logger. Do not allow well to penetrate the Canyon formation due to high water production. Reduce survey intervals to every 200' and on trips.

9. Short trip well and check for fill. Condition hole and TOH to log.

10. Rig up logging unit and run Dual Induction/GR/SP/TEN and CNL/LDT/GR/TEN from TD to KOP at 4500'. No SWC's anticipated. TIH with RR bit and condition hole. TOH.

11. Run 5 1/2" 15.5# K - 55 LTC casing to TD. Run Guide shoe ,float collar, two shoe joints and a DV tool. Set DV tool at 5700'. Centralize both shoe joints and every joint to 6900', then every third joint to 2200'. Run cable scratchers on 10' spacing through pay zone.

12. Cement 5 1/2" casing in two stages as follows:

Slurry Design	VOL	TOC	Wt	Yld	Exc	WOC
1st Stage Lead: Class H w/ 1% FLA + 0.3% Dispersant	130	6900'	15.6	1.18	50%	4
1st Stage Tail: 65:35:6 Class H : POZ : Gel w/ 10#/Sk Gilsonite + 1% FLA	150	5700	12.1	2.12	50%	4
2nd Stage: 65:35:6 Class H : POZ: Gel w/ 10#/Sk Gilsonite + 1% FLA	430	2200'	12.1	2.12	50%	4

Set DV TOOL at 5700'

(continued)

12. (cont)

Precede 1st stage cement with 30 bbls of mud flush. Reciprocate casing prior to and during cement job. Displace to DV Tool with freshwater. Open tool and circulate with mud for 4 hrs. Precede 2nd stage with 30 bbls of mud flush and displace with freshwater. Run Temperature survey 10 - 12 hrs after job is complete. Have service company check mix water prior to job. Check blends for pump time, compressive strength, fluid loss and freewater.

13. NU BOP's. Install tree. RDMO drilling rig. Clean location.

WELL COMPLETION SKETCHES SUN—5036-4-A

WELL	FIELD	DATE
West Indian Basin #2	Indian Basin	11-11-93

☐ PRESENT COMPLETION ☒ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

Zero = KB = 13' AGL

13-3/8" 48# @ 188' w/
200 SKS CIRC

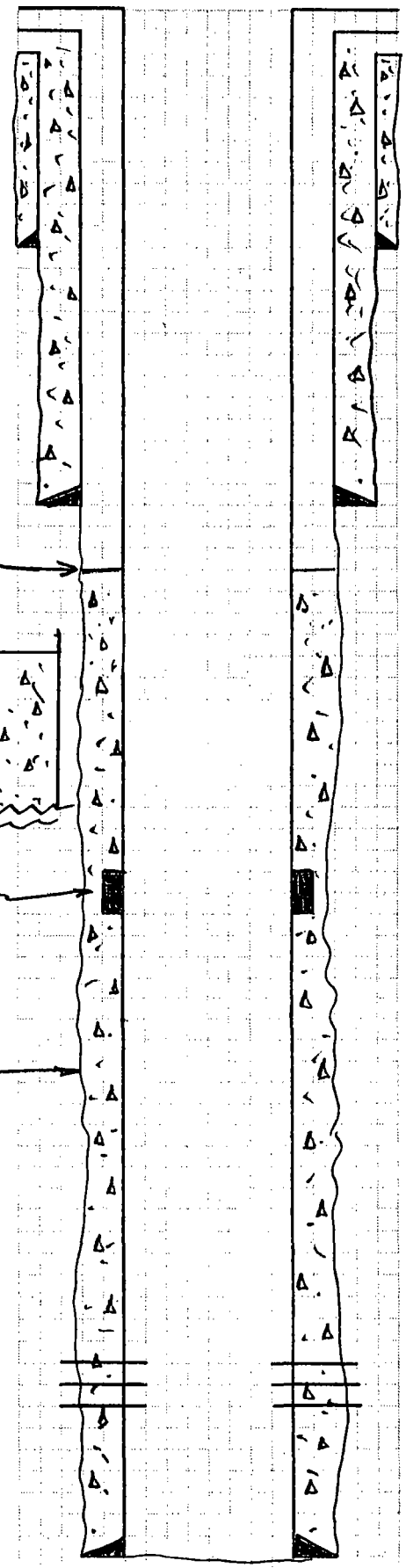
8-5/8" 24# @ 1882' w/
900 SKS CIRC
TOC @ ± 2000'

Kickoff Point
@ ± 4400'
old well bore

DV Tool @ ± 5700'
w/ 430 SKS CMT

7-7/8" Hole

5½" 15.5# K-55 @
7485' w/ 280 SKS CMT
TD = 7485'



DATA ON THIS COMPLETION

Upper Penn Perfs
± 7220

TVD = 7467'

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
LC067832-A

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
WEST INDIAN BASIN

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No. #2
WEST INDIAN BASIN UNIT

2. Name of Operator
ORYX ENERGY COMPANY

9. API Well No.
30-015-10209

3. Address and Telephone No.
P.O. BOX 2880 DALLAS, TX 75221-2880

10. Field and Pool, or Exploratory Area
INDIAN BASIN UPPER PENN

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
UNIT LTR. G, 1965' FNL, 1659' FEL
SEC20-T21S-R23E

11. County or Parish, State
EDDY
NEW MEXICO

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
	☐ Recompletion	☐ New Construction
☐ Subsequent Report	☒ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☒ Other _____	☐ Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give 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.)*

ORYX ENERGY RESPECTFULLY REQUEST PERMISSION TO PLUB BACK AND DIRECTIONAL DRILL IN THIS ESTABLISHED WELLBORE.

ATTACHED, PLEASE FIND AN EXPLANATION OF WHAT WE PLANT TO DO, A COMPLETE DRILLING PLAN AND PROCEDURE, A BOP PLAN AND A WELL PLAT WITH ANY NEW DEDICATED ACREAGE OUTINED.

ACCORDING TO MR. ADAM SALAMEH. THIS WILL BE CONSIDERED A DIRECTIONAL RECOMPLETION AND THEREFORE WOULD NOT REQUIRE A NEW SURFACE USE PLAN.

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

Signed Rod L. Bailey ROD L. BAILEY Title PRORATION ANALYST Date 11/12/93

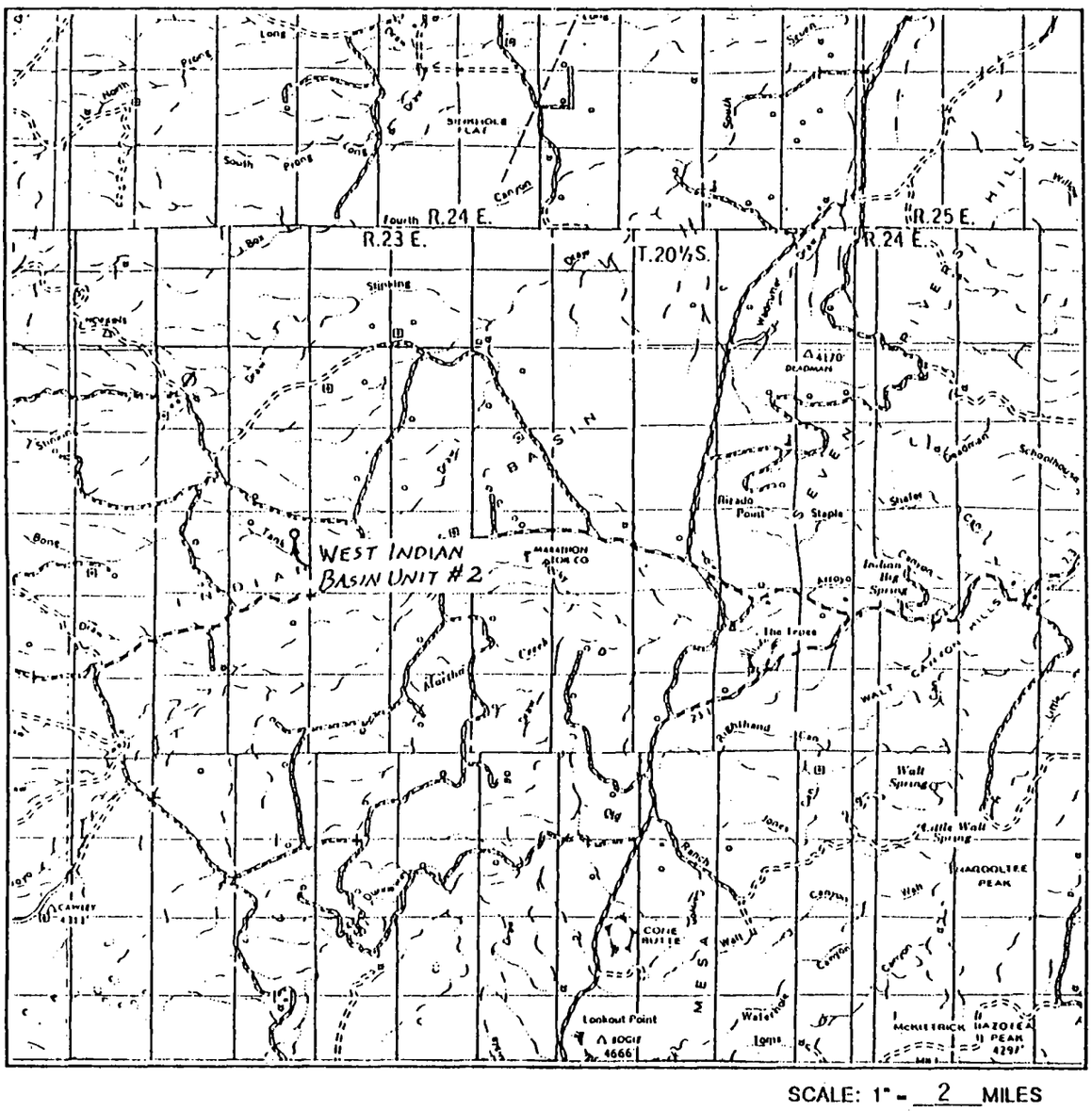
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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.

*See Instruction on Reverse Side

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 20 TWP. 21S RGE. 23E

SURVEY NMPM

COUNTY EDDY STATE NM

DESCRIPTION 1965'FNL & 1659'FEL

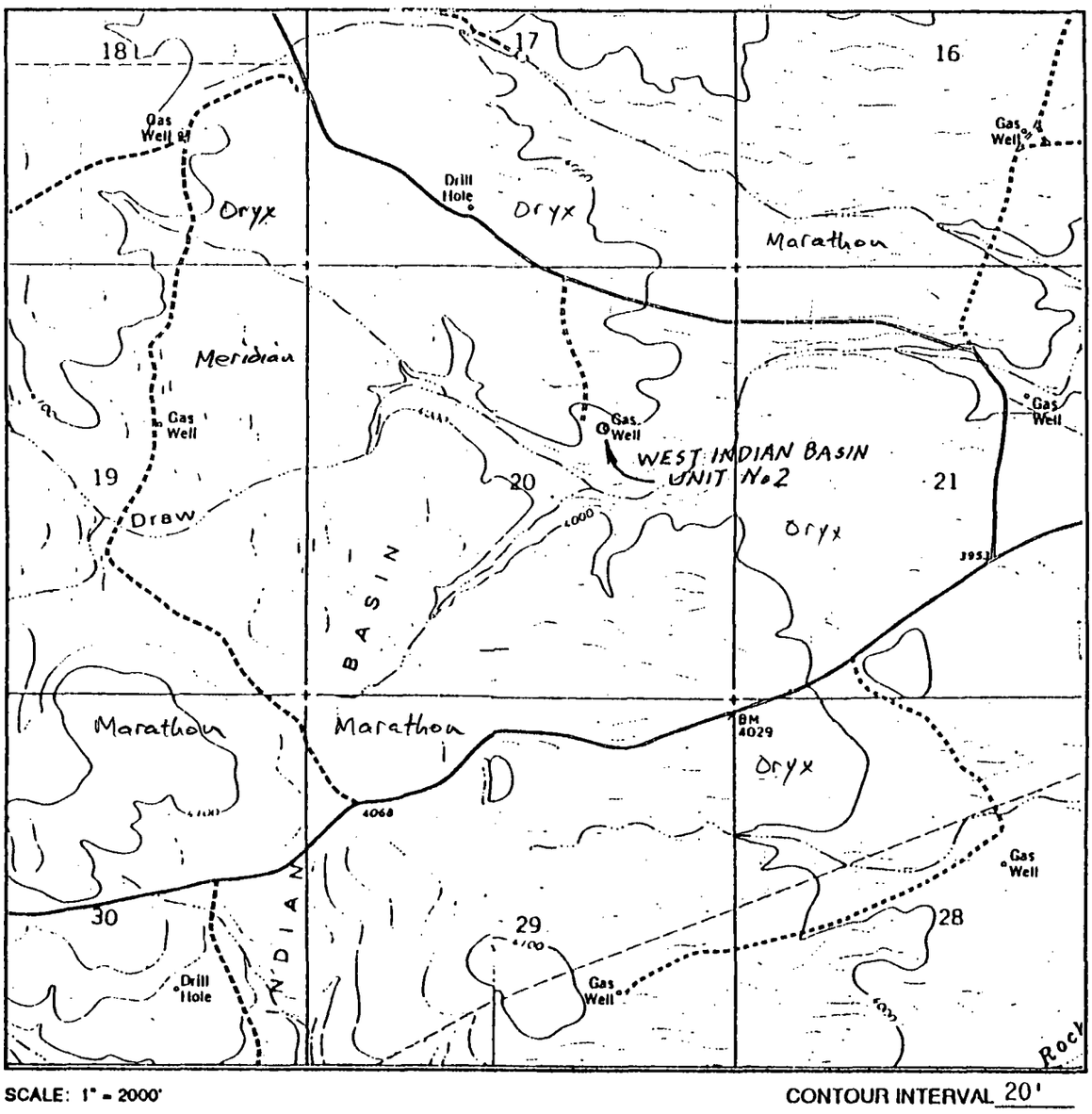
ELEVATION 3988.7'

OPERATOR ORYX ENERGY CO.

LEASE WEST INDIAN BASIN UNIT #2

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL 20'

SEC. 20 TWP. 21S RGE. 23E

SURVEY NMPM

COUNTY EDDY STATE NM

DESCRIPTION 1965'FNL & 1659'FEL

ELEVATION 3988.7'

OPERATOR ORYX ENERGY CO.

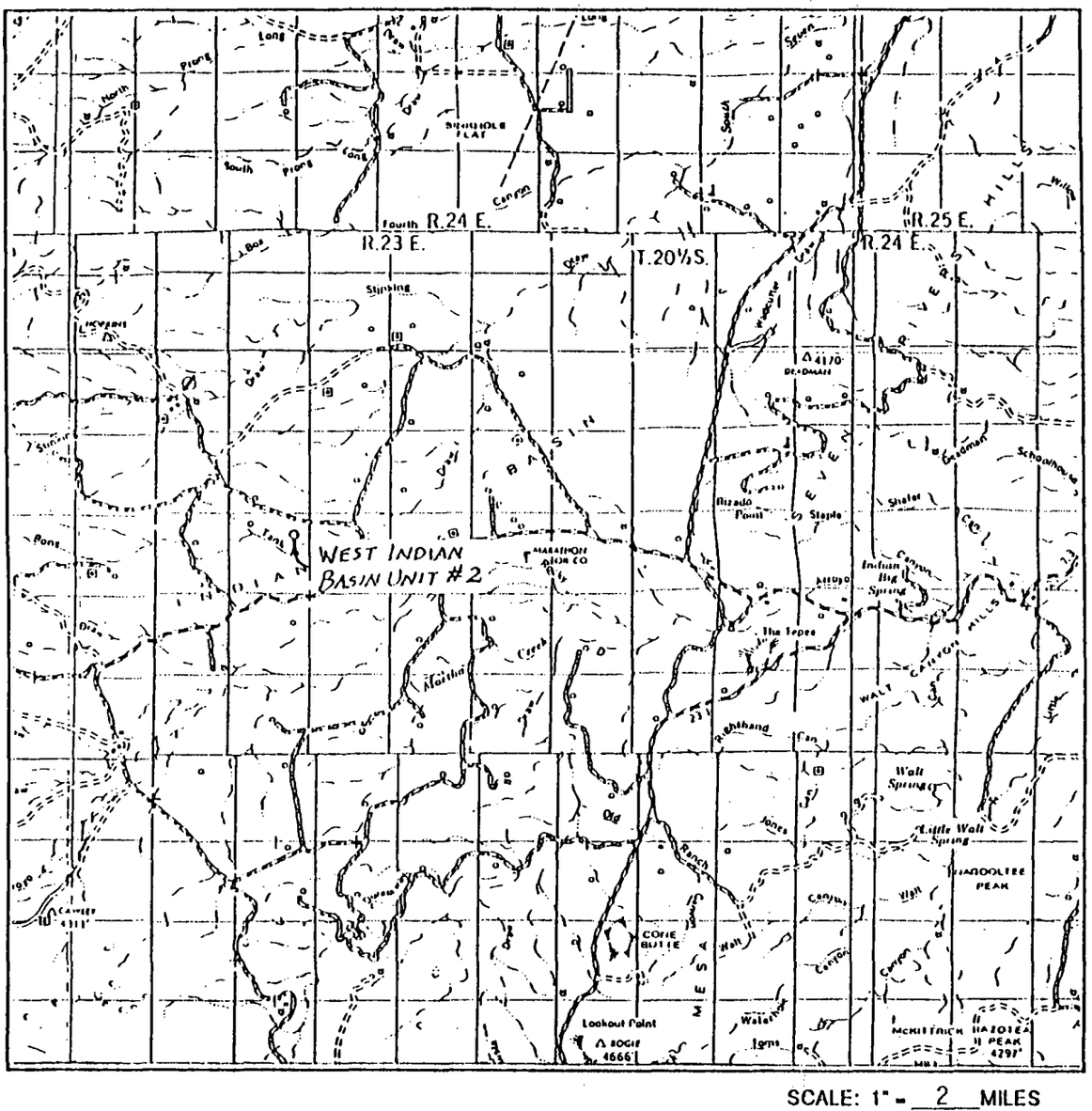
LEASE WEST INDIAN BASIN UNIT #2

U.S.G.S. TOPOGRAPHIC MAP

CAWLEY DRAW & MARTHA CREEK, NM

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



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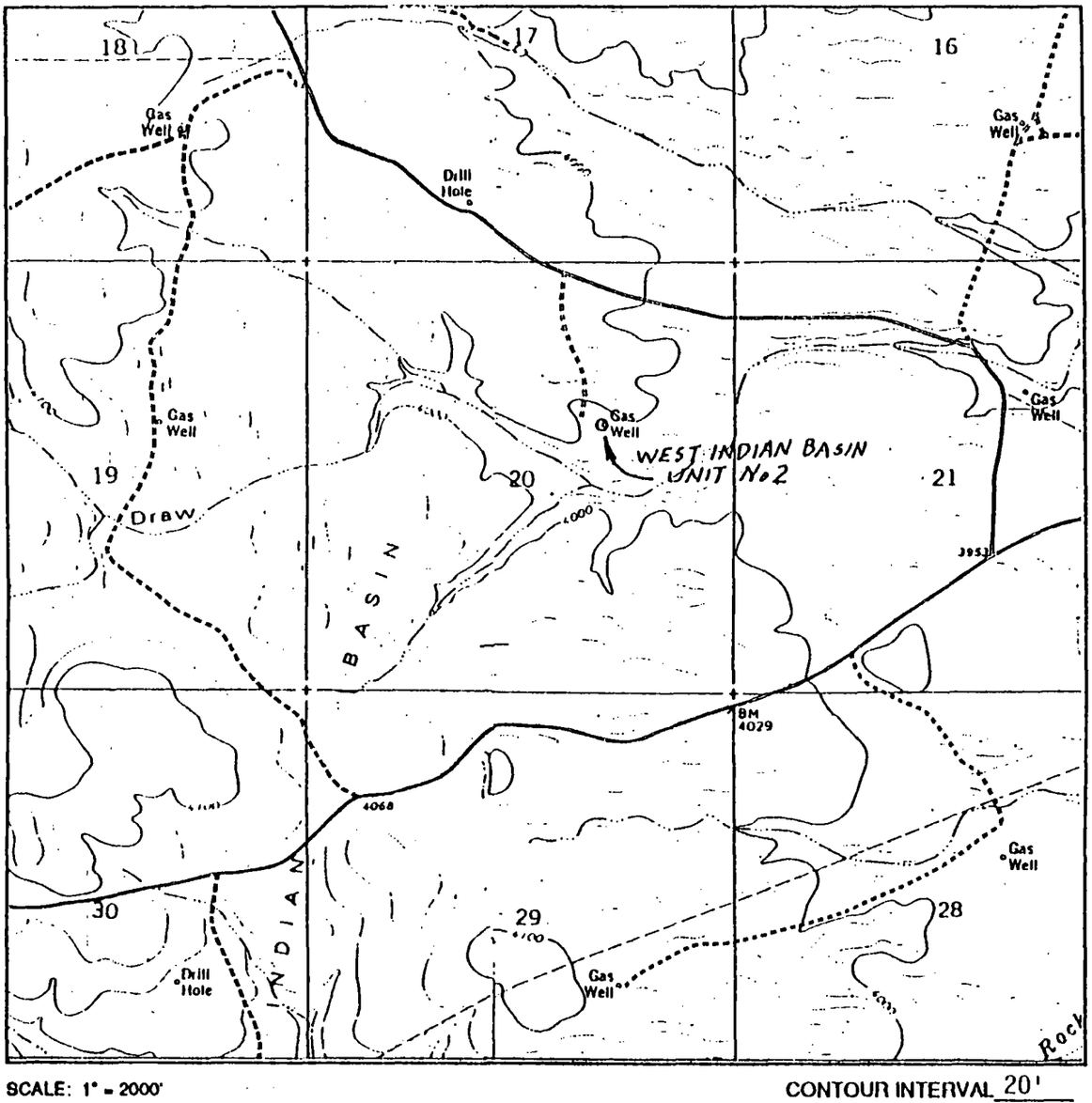

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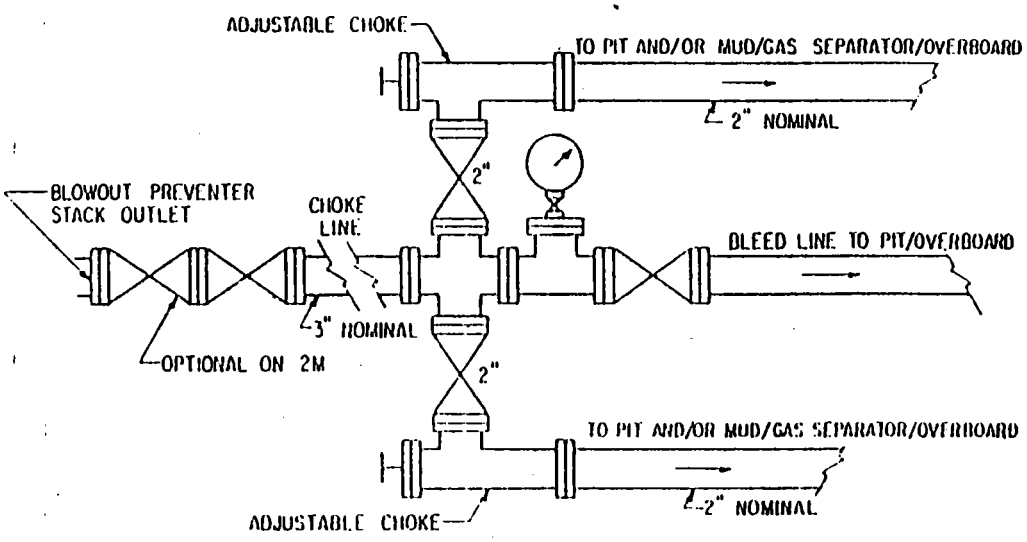

FIG. 3.A.1
EXAMPLE CHOKE MANIFOLD ASSEMBLY
FOR 2M AND 3M RATED WORKING
PRESSURE SERVICE — SURFACE INSTALLATION

3000 psi WP
300'- 2000'

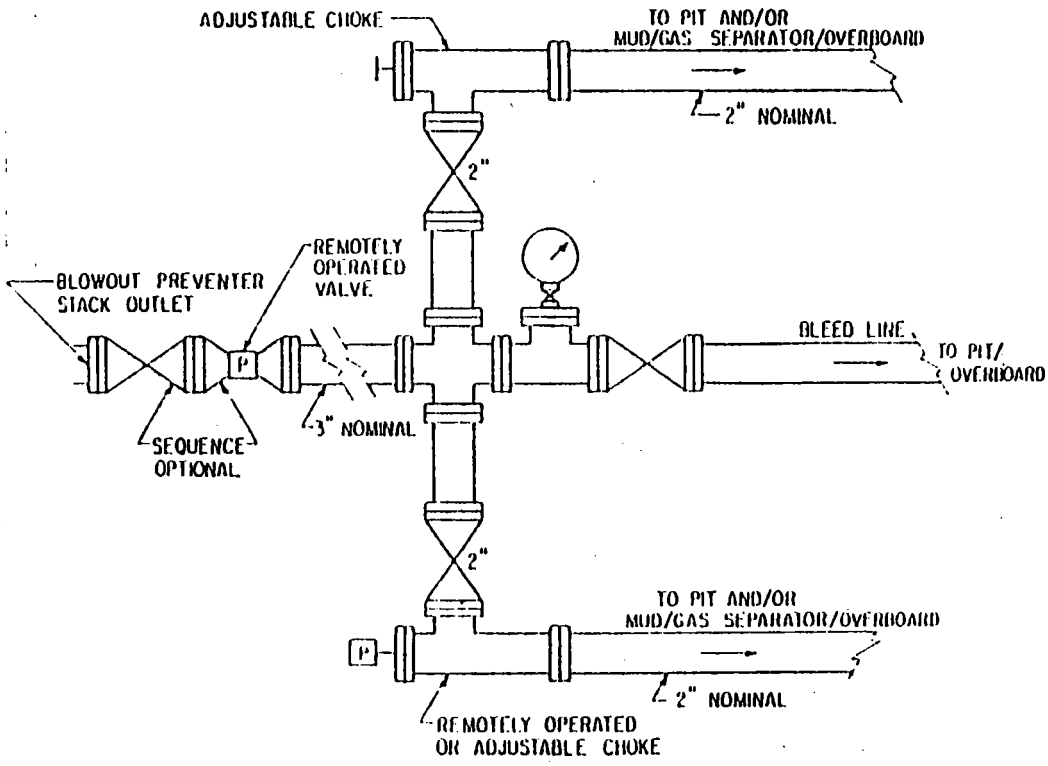

FIG. 3.A.2
EXAMPLE CHOKE MANIFOLD ASSEMBLY FOR 5M
RATED WORKING PRESSURE SERVICE —
SURFACE INSTALLATION

5000 psi WP
2000'- 7350'

ORYX ENERGY COMPANY
13155 Noel Road
Dallas, TX 75240-5067

P.O. Box 2880
Dallas, TX 75221-2880
(214) 715-4000

ORYX

TELECOPY MESSAGE COVER SHEET

DATE: 11/23/93

FAX: (214) 715-3752
TELEX: 150240 ORYX UT

NAME	COMPANY	CITY
TO: Michael E. Stagner	NMOCC	Santa Fe, NM

FAX NUMBER: 505 827-5741

NUMBER OF PAGES BEING SENT (Including Cover) 4	☐ ROUTINE	☑ URGENT
FROM: Charles A. Gray - Oryx Energy	ROOM #	PHONE 214 715 3134

SPECIAL INSTRUCTIONS OR COMMENTS:

Michael, here is Marathon's waiver as promised. Application packet in mail to your attention by Federal Express - let me know if you need anything else - Marathon is mailing original to your attention - Charles G.

IF YOU HAVE ANY PROBLEMS RECEIVING THIS MESSAGE, PLEASE CALL (214) 715-3155

PAX-2.WJL

Mid-Continent Region
Production United States

Marathon Oil Company

P.O. Box 552
Midland, Texas 79702
Telephone 915/682-1626

DATE 11/23/93

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME Mr. Charles Gray

COMPANY NAME ORYX Energy Co.

LOCATION Dallas, TX.
(214) 715-3752

FROM:

NAME & EXTENSION Ron Folse

LOCATION Midland, TX.

TOTAL NUMBER OF PAGES (INCLUDING THIS COVER SHEET) 3

IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL BACK ASAP

PHONE Lois @ 915/687-8288 FAX: 915/687-8287

COMMENTS Mr. Gray
Please advise if we can be of further assistance.

Ron Folse
SR. OPERATIONS Engr.

Oryx Energy Company
15155 Noel Road
Dallas TX 75240-5067
PO Box 2880
Dallas TX 75221-2880
214 715 4000

ORYX

November 23, 1993

Marathon Oil Company
P. O. Box 552
Midland, Texas 79710

VIA FAX: 915-687-8431

Attention: Mr. Joe Madron

RE: **WEST INDIAN BASIN UNIT WELL NO. 2,**
INDIAN BASIN UPPER PENN GAS POOL,
SECTION 20, TOWNSHIP 21S, RANGE 23E,
NMPM SURVEY, EDDY COUNTY, NEW MEXICO

Dear Mr. Madron:

Oryx Energy Company is requesting your waiver in order to plug back the above referenced well, which has developed a casing leak, and directionally drill to an orthodox bottomhole location.

The current location of the well is 1659' FEL and 1965' FNL of Section 20. The proposed bottomhole location after directional drilling would be 1709' FEL and 1685' FNL of Section 20, approximately 280' North and 50' West of the original location.

Please find attached a faxed copy of Oryx Energy's proposed procedure, location/offset operator plats, and before and after well completion sketches. If you as an offset operator have no objection to Oryx Energy's proposed directional drilling application, please sign the waiver portion of this letter and fax to the attention of Charles Gray, Fax No. 214-715-3752, as soon as possible. Then mail the original signed fax to Mr. Michael E. Stogner, State of New Mexico Oil Conservation Commission, P. O. Box 2088, Santa Fe, New Mexico 87504.

Oryx Energy apologizes for any inconvenience this may cause you, but your cooperation and assistance in this matter will be greatly appreciated, and you may rest assured that Oryx Energy will try and respond in a like manner, should you need our waivers or assistance in the future.

Very truly yours,

Charles A. Gray
Area Manager, Regulatory Affairs

CAG/wl
Enclosures

WAIVER

MARATHON OIL COMPANY has been advised of Oryx Energy Company's application to intentionally deviate their West Indian Basin Unit Well No. 2, located in the Indian Basin Upper Penn Gas Pool, Section 20, Township 21S, Range 23E, Eddy County, New Mexico. It is our understanding that the proposed deviation will conclude at an orthodox location approximately 1685' FNL and 1709' FEL of Section 20. Based on this proposal Marathon hereby waives all objection to Oryx Energy's requested deviation.

MARATHON OIL COMPANY

Signed: G. E. Gallard for RNT

Title: Engineering Manager

Date: 11/23/93

Z-0082.CAO