SDX RESOURCES, INC.

P.O. BOX 5061 OIL CONSERVE ON DIVISION MIDLAND, TEXAS 79704 RECEIVED

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Oct. 26,1994

N.M.O.C.D. P.O. Box 2088 Santa Fe, N.M. 87504-2088 Attn. Mr. Stogner

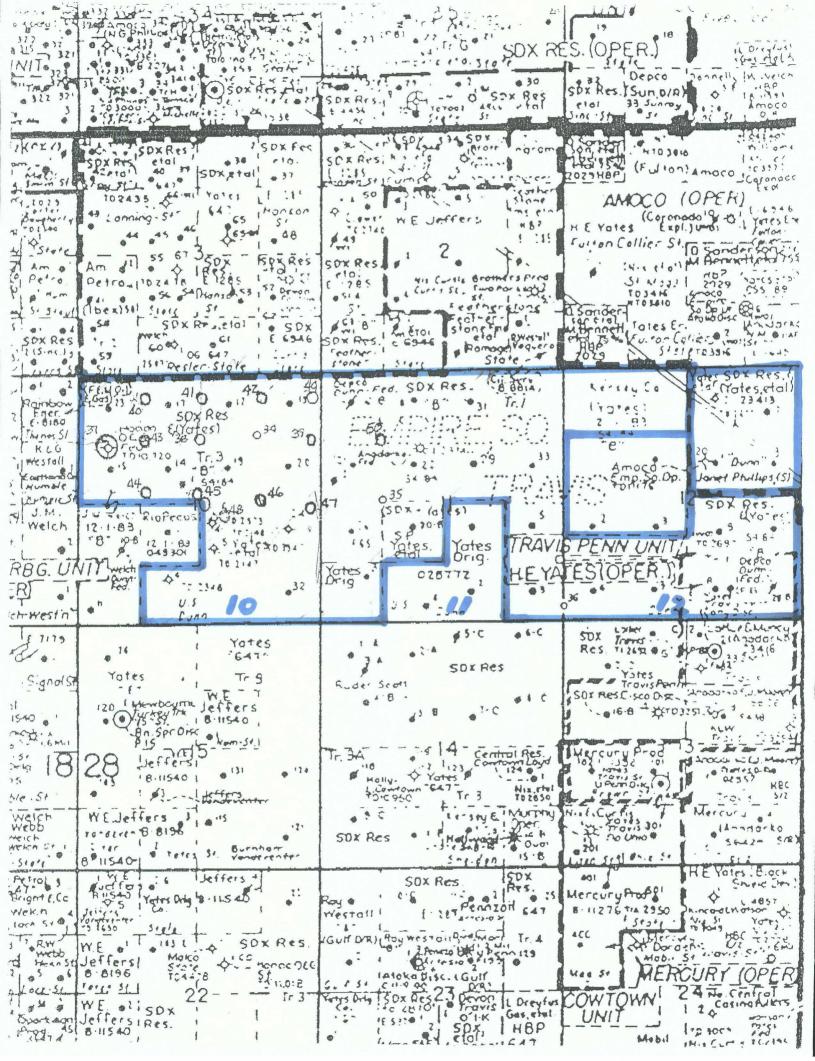
Mr. Stogner,

This letter is intended to serve as an application for administrative approval for unorthodox drilling locations on SDX's Dunn B Federal lease. The locations constitute an infill well project on this lease. The proposed locations are in sections 10,& 11, of T18S, R28E, Eddy county. A table of survey footages and a lease map accompany this letter. It is possible that some of these locations may have to moved a little due to archaeological sites etc. I will keep you informed of any changes. The purpose of this project is to convert the existing waterflood from an 80 acre 5 spot pattern to a 40 acre 5 spot pattern. This reduced spacing should result in the recovery of additional reserves that will other wise be lost. Ownership surrounding the proposed locations is similar and no other offset operators are affected by any of the proposed unorthodox locations. If you have any questions or need any additional information please contact me at (505) 748-9724 or (505) 365-7691. Thanks for your consideration.

Sincerely,

Chuck Morgan, P.E.

Chief monga)



DUNN B PROJECT - NEW LOCATIONS

	WELL #	LOCATION (Desired)	LEGAL DESC.	Location (S.	(Loyers)	Location (Surveyed) Unorthodox
						\	
) . -	87E	-RE-ENTRY	HONDO FED.	HONDO FED. SEC-10, 18/28-	-NA	- NA	NO-
_	38	2620 FEL	1330 FNL	11	2583 FEL 1330 FWL	1330 FWL	1205
7	39	10 "	1310 ^	11	60 FEL 1319 FNL	1319 FNL	1285
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8	45/	2620 FEL	2310 ,	11		2310 ENL	Ves
6	46	1330	2500 '	11		2500 FKL	1/25
10	47	10	2600 "	11	10 FEL	2595 FSL	128
V	48	2310	2310 FSL		23-10 FEL 3310 FSL	2310 FSL	46
U-			330 ENL		10 be moved or desped	bor denopod	28-4-
*	95	1300 FWL	1310 FNL	SEC. 11, 18/28	1300 FWL 1310 FAL	1310 FAL	Ves

SDX RESOURCES, INC. P.O. BOX 5061 MIDLAND, TEXAS 79704 (915) 685-1761

Fax 915 685-0533

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orm 3160-3 (July 1989) (tomerly 9-331C)

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WATERWELL WELLELY ITE. OFFICE FOR MAN OF COPLES RES (Other instructions on feverse side)

BLM Romuell District Modified Form No. NMD60~3160~2 .

UNITED STATES DEPARTMENTEDE THE INTERIOR

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2. NAME OF OFFI	ATOR		30	. Area Code 6	Phone No.	Dunn B	Fed	•
SDY Re	sources.	Inc.		(505)748	-9724	B. writ, NO.		
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a na	ox 5061. }	Midland, TX,	79704		:	10. FIELD AND P	004, OR	WILDCAT
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23.		PROPOSED	CASING AND CEMEN	TING PROCRAI	1			
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD	TYPE	BETTING DEFTH		ITT OF CEMENT
						2501	25	

br8 350 350 POZ 4000' J-55 8rd 7-7/8 400 LITE

Plan to drill a 12-1/4" hole to approx. 350'; set 8-5/8" surface casing. Circulate "C" cement. Drill 7-7/8" hole to TD. Run open hole logs. Run 5-1/2" casing and circulate cement. Perforate the San Andres-Grayburg -Queen and stimulate as necessary for optimum production. Specific programs as per Onshore Oil and Gas Order #1 are outlined in the following attachments: Approval Subloct to

Drilling Program:

General Requirements and Special Stipulations

Attached

Surface Use and Operating Plan Exhibit #1 Blowout Preventer Equipment

#6 Drilling Rig Layout

- #2 Location and Elevation Plat
- #3 Planned Access Roads
- #4 One Mile Radius Map
- #5 Planned Production Facilities and Access

IN ABOVE RPACE DESCRIPE 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.

SIGNED Chief Morgan	TITLE Engr	DATE 10/27/94
(This space for Pederal or State office use)		The second secon
PERMIT NO.	APPROVAL DATE	
CONDITIONS OF APPROVAL, IN ANY:	AREA WANAGER	PATE 18/7/94

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR

EQUITABLE TITLE TO THOSE RIGHES IN THE SHOPER SIDE LEASE WHICH WOULD ENTITLE THE APPLICANT TO

Title 18 U.EASE WHICH WOULD ENTITLE THE APPLICANT TO CONTINUE OF SECURITY OF ERRORS OF THE APPLICANT TO WILLIAM OF SECURITY OF ERRORS OF THE APPLICANT TO WILLIAM OF SECURITY OF ERRORS OF THE CONTINUE OF SECURITY OF THE CONTINUE OF SECURITY OF THE CONTINUE OF THE CONTINU

District I PO Box 1980, Hobbs, NM 88228-1980 District II

PO Drawer DD, Artesia, NM #211-0719

District III

1000 Rio Brazos Rd., Azzec, NM 87410

District IV

PO Box 2088, Santa Fe, NM \$5504-2089

State of New Mexico
Energy, Minerals & Natural Resources Department

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OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 10, 1994 Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Numb	HEF	Pool Code	³ Pool Name	
			Artesia - Qn-Gb-5	a
' Property Code		, p.	roperty Name	* Well Number
DUNN B FEDERAL				38
¹ OGRID No.		• 0	perator Name	' Elevation
	SDX RES	SOURCES, INC.		3627.

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Ġ	10	188	28E		1330	NORTH	2583	EAST	EDDY
			DOL	(0111 1101	C LOCALOGII I	f Different Fro	UNIT OULLAND		
UL or lot no.	Section	Tempohip	Range	Lot Ida	Feet from the	North/South line	Fost from the	East/West line	County

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD (INIT HAS BEEN APPROVED BY THE DIVISION

	01(7111011-017)	NDAKD UNII HAS B	CELT APPROVED BY	117 014191014
16		1330.		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
		258	3	Signature Signature Auck Morgan Pristed Name Title
			,	Dute 18 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 belief. OCTOBER 21, 1994 Date of Survey R. R. E. D.
		·		5412 5412 55 Control of the Control

JAN رگوه (عدود و در

CONTACT RECEIVING on

RLM Romall District Modified Form No. NH060-3160-2

PERATOR'S CURY	OFFICE FOR MIN
UNITED STATES	(Other instructions reverse side)

		ME INTERIOR			5. ILKANE DESIGN	NATION AND SERIAL NO.
	UREAU OF LAND				NM5418	
APPLICATION FOR	PERMIT TO DI	JILLANDEEPEN, C	R PLUG B	ACK		LOTTER OF TRIBE NAME
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b. TYPE OF WELL	0.40(EPEN E	PLUG BAG	[K [_]	N.A.	TENT PANE
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2. NAME OF OPERATOR	011111		. Area Code &	Phone No.	Dunn B	Fed.
SDX Resources,	Inc.		(505)748		9. WELL NO.	
3. AODRESS OF OPERATOR	M				39	
P.O. Box 5061,	Midland, TX	. 79704			10. FIELD AND P	POOL, OR WILDCAT
4. LOCATION OF WELL (Report locati						-Gb-Sa
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23.	***************************************					
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Oistrict I PO Box 1980, Hobbs, NM 8228-1980
District II PO Drawer DD, Artesia, NM 8221-0719
District II 1000 Rio Brazos Rd., Aztec, NM 87410
District IV

State of New Mexico Energy, Minerals & Natural Reported Department

· Distance

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 10, 1994
Instructions on back
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Fee Lease - 3 Copies

AMENDED REPORT

PO Box 2098, San	nia Fe, NM		** * * ^	و معتدر بر الر	ጎ እ፣ ልኬየም <i>ል</i> ፥	CDE A CE DEDI	(_{ሮ ል} ተፕርጎ አ ፣ ይነ		ENDED REPORT
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CONTACT RELEVANCE OFFICE FOR AND

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		REAU OF LAND					NM54184		
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2. NAME OF OPERATOR					Area Code 6		Dunn B	Fed.	
SDX Resour	ces. In	no.			(505)748	-9724	D. WELL NO.		
3. ADDRESS OF OPERATOR							40		
P.O. Box	5061, M	idland, TX	79704				10. FIELD AND P	•	AT
4. LOCATION OF WELL (R	seport location	clearly and in accou	rdance with any Sti	ite requ	irements.")		Art-Qn		
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*See Instructions On Reverse Side

District I PO Box 1980, Hobbs, NM \$226-1980 District II PO Drawer DD, Artesia, NM #211-0719 District III

State of New Mexico
Energy, Minerals & Natural Resources Department

J. 481003-10 (W.S.

OIL CONSERVATION DIVISION
PO Box 2088

Form C-102 Revised February 10, 1994 Instructions on back

Submit to Appropriate District Office

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Fee Lease - 3 Copies

RT

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CHARLOW INTERPRETATION OFFICE FOR MIN"

Form 3160-3			Ą		OF COPLES R		BLM Romwell Modified F	1 District	
(July 1989) (tornerly 9-331	c)	UNITED			out)ant rodsO} a ostoret	tions on de)	MMO60-3160		
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WELL 🔀	U.J.,L	OTUER	811 20	CGL.E	M (J),T)F ZONE	r* 🔀 .	B. PARM OR LEA	BE NAME	
2. NAME OF OPER	ATOR			3n.	Area Code &	Phone No.	Dunn B	Fed.	
SDX Re	sources.	Inc.		(505)748	<u>-9724</u>	9. WELL NO.		
	•						10. FIELD AND P	AT	
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At proposed p	rod, zone						Sec.10 R28E	1105	
	MILES AND DIRECT	TON FROM NEAREST TO	WN OR POST OFFICE		<u> </u>		12. COUNTY ON P	ARISR 13. 8	TATE
15 mil	les S.E. c	f Artesia,	N.M.				Eddy	N.	М.
LOCATION TO	NEAREST	330'	16. NO.	OF ACRES	IN LEASE		F ACRES ASSIGNED		
**************************************	LEABE LINE, PT. rest drig, wait line,	if any) (20')		12	40		110 41 11 11	40	
18. DISTANCE PRO	WELL, DRILLING, CO	MDIETED	19, 140	POSED DEP		20. ROTA	T OR CABLE TOOL	9	
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	bow whether DF, R			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			22. APPROL. DA	TE WORK WIL	START*
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1-3-		PROPO	SED CASING AND	CEMENTI	ng program	i			
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE		THREAD 1	YPE	BETTING BETTIL	O YTITKAUD	F CEMENT
12-1/4	" 8-5/8"	24#	J-		8rd		350'	350_"	
7-7/8	5-1/2"	14#	J-	55	8rd		4000'	<u>350 F</u>	
			1 .	ł		ł.	}	400 I	LITE

Plan to drill a 12-1/4" hole to approx. 350'; set 8-5/8" surface casing. Circulate "C" cement. Drill 7-7/8" hole to TD. Run open hole logs. Run 5-1/2" casing and circulate cement. Perforate the San Andres-Grayburg -Queen and stimulate as necessary for optimum production. Specific programs as per Onshore Oil and Gas Order #1 are outlined in the following attachments:

Drilling Program:

Surface Use and Operating Plan

Exhibit #1 Blowout Preventer Equipment

#6 Drilling Rig Layout

- #2 Location and Elevation Plat
- #3 Planned Access Roads
- #4 One Mile Radius Map
- **#5 Planned Production Facilities and Access**

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 presenter program, if any.

SIGNED The	Les 1	Maga	<u></u>	Engr.	DATE 12/1/94
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APPROVED BY CONDITIONS OF ACER	OVAL, IF ANY :		TITLE		DATS

*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

District I PO Box 1980, Hobbs, NM 1221-1980 District II PO Drawer DD, Artesia, NM 2211-0719 District III 1000 Rio Brazos Rd., Azzer, NE 87410

PO Box 2088, Santa Fc. NM #5504-2088

API Number

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District IV

В

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088
Santa Fe, NM 87504-2088

Form C-102 Revised February 10, 1994. Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT 1 Pool Code * Pool Name Well Number

Property Code DUNN B FEDERAL 41 OGRID No. Operator Name , Elevation SDX RESOURCES, INC. 3642. ¹⁰ Surface Location UL or los no. Section Lot ldn Fest from the Township Range North/South and Feet from the East/West Spe County

NORTH 2583 EAST **EDDY** 11 Bottom Hole Location If Different From Surface UL or los zo. Section Los ida Feet from the Township Range North/South line Feet from the East/West line County 12 Dedicated Acres lited to rajol u 14 Consolidation Code 15 Order No.

330

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

	OR A NON-STA	NDARD UNTI HAS E	BEEN APPROVED B	Y THE DIVISION
16		DEF 25	B <i>3</i>	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and ocilet
				Signature May
				Printed Name Title Date Page 94
				18SURVEYOR 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 belief.
				NOVEMBER, 29 1994 Date of Screen Seal of Professional Surveyor:
	·			Symptosis State St

#5 Planned Production Facilities and Accessment

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,

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(This space for Pederal	or State office use)				
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OR CERTIFY THAT IT	IE APPLICANT HOLD	S LEGAL OR			
EQUITABLE TITLE TO	THOSE RIGHTS IN T	HE SUBJECT			

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1000 Rio Brazos Rd., Azzec, NM 87410

State of New Mexico
Energy, Minerals & Natural Resources Department

THE STATE OF THE

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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				7 000 000		tesia - O		.,	
* Property	Code	DUNN I	B FEDE	RAL	Property				' Wall Number 42
OGRID	No.	SDX R	SOURC	es, inc	¹ Operator	Name			* Elevation 3625 -
	· 10年4月	9 m 19 1.			10. Surface		مها شجيعة في ١٠٠٠ عيم	11	<u> </u>
UL or lot no.	Section 10	Township 185	Range 28E	Lot Ida	Feet from the	North/South fine NORTH	Feet from the	East/West in	e County KDDY
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Dedicated Acr	es " Join	orlafil " (onsolidatio	n Code 15 (Order No.				

16	1192'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
		Cinnatural Printed Name Printed Name Fille 10 /24/94 Date
		18SURVEYOR CERTIFICATION I hereby certify then the well location shown on this plan was plouted 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 belief. OCTOBER 21, 1994 Date of survey R. R. E. D.
	1.	Signature and Seal of Professional Surveyor: 5/12 SURVEY Cordinate Northern SSION 5/12

:.. JAN 13 '95 09:24 AT&T FAX 9020FX

Form 3160-3 (July 1989) (fermerly 9-331C)

UNITED STATES

OFFICE FOR PIR
OF COPIES RICHRED
Other instructions on

BLM Roswell District Modified Form No. NMD60-3160-2

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OIL WELL	WELL [OTRER	SINCLE	אטנדווי ך	LE 🗷	S. FARM OR LEA	SA NIPA
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		f Artesia, N				Eddy	N.M.
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*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

District I
PO Box 1980, Hoobs, NM \$8288-2980
District II
PO Drawer DD, Artesia, NM \$221-0719
District III
1000 Rio Brazes Rd., Artes, NM \$7410
District IV
PO Box 2088, Santa Fe, NM \$2504-2088

State of New Mexico

法使补偿的时代

进程"种原的合体的形

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Property Name Property Code Property Name Well Number DUNN B FEDERAL 43 OGRID No. Operator Name Elevation SDX RESOURCES, INC. 3640.

Feet from the North/South line Feet from the Fast/West fibe Сопису UL or lot no. Section Township Range Lot Ida F 10 188 28B 1330 NORTH 1509 WEST EDDY 11 Bottom Hole Location If Different From Surface Совату Feet from the East/West line UL or lot po. Section Lo: Ida Feet from the North/South line Tewnship Range " Joins or Infill " Consolidation Code エルチン

Surface Location

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	17 OPERATOR CERTIFICATION
	I hereby certify that the information contained herein is
	true and complete to the best of my knowledge and bette
(9)	
	1 - 0 1 m
	had floger
1509'	Signature
	Chuck Margan
	Printed Name
	Evan
11	Title
	12/8/94
	Date
	"SURVEYOR CERTIFICATION
	1
	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 past of My bellef.
	NOVEMBER R28 E D1994
	Data of Survey CM MEXICO
	Signature and Scale of Professional Surveyor:
	5412 EST CONTROL OF SERVICE SE
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UNITED STATES

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Other Instructions on reverse side)	
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BLM Roswell District Modified Form No. NM060-3160-2

		ARIMENT OF					5. LEASE DESIGN	ATION AND SERIAL NO.
	В	UREAU OF LAND	MANAG	EMENT			NM54184	
APPLICA	TION FOR	PERMIT TO DE	RILL, E	DEEPEN, O	R PLUG B	ACK	G. IP INDIAN, AL	LOTTED OR TRIDE NAME
In. TYPE OF WORK							N.A.	
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b. Tire of well	0.A8 [****]	•		SINCLE	T MULTIP	** DZ1 **	N.A.	er Nave
WELL X	WELL L	OTHER		ZONX	. Area Code &		1	
		=		T.			9. WELL NO.	reu.
SDX Res	SOUTCES.	Inc.			(505)748	-9724	44	
5 A 5	FOOT ·	Wind Land TV	7070	24				COL, OR WILDCAT
4. LOCATION OF W	ELL (Report locati	Midland, TX.	dance wit	b any State requ	iremeats.*)	<u> </u>	Art-Qn	-Gb-Sa
At mirrace	ะพา เลกด	FWL, unit F	Sec	. 10	•		11. SEC., T., R., 1	C., OR BLE.
At proposed pr	=	I WE JUILLO A	3,000	. 10			Sec 10	186 11
Same				S. C.			R28E	
14. DIATANCE IN	MILES AND DIRECT	ON FROM MEAREST TOW	N OR POST	OFFICE.			12. COUNTY OR E	ARISH 13. STATE
15_mil	es S.E. o	f Artesia, N	I.M.				Eddy	N.M.
LOCATION TO	M PROPUGEO"	330,		IS. NO. OF ACE	ES IN LEASE		OF ACRES ASSIGNATI	>
PROPERTY OR	LEASE LINE, FT. est drig, unit line,	(10')		1:	240		110 11044	40
				19. гаоровир в		20. ROTA	RY OR CABLE TOOL	
OR APPLIED FOR	M PROPOSED LOCAT VELL, DRILLING, CO. ON THIS LEASE, FT.	748		4	000,			rot.
21. ELEVATIONS (S)	ow whether DF, R		, , , , , , , , , , , , , , , , , , ,		· · · · · · · · · · · · · · · · · · ·			TE WORK WILL START
	36	GR					FZ	/1/3 4 2/1/
23.		PROPOS	ED CASI	O AND CEMEN	TING PROGRAM	4		
HOLE SIZE	CASING SIZE	WE IGHT/FOOT	1	GRADE	THREAD	TYPE	BETTING DEPTH	QUANTITY OF CEMENT
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7-7/8"	5-1/2"	14#		J-55	8rd		4000'	350 POZ
								400 LITE
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**************************************	#5	Planned Proc	lucti	on Facil	ities an	Q ACC	ess	
ione. Il proposal Preventer program,	is to drill or deep	ROORAM: If proposal is non directionally, give p	to deepe pertinent	n or plug back, data on subsurf	give data on pr nee locations un	esent produ d messured	octive zone and pr i and true vertical	roposed new productive depths. Give blowout
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*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

District I: PO Box 1980, Hobbs, NM 88248-15980 District II PO Drawer DD, Artesia, NM \$833-0719 State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088

Form C-102 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies

00 Rio Brazos I	Rd., Aziec	Next 87410		. Sa	enta Fe, NM	87504-2088		F	ee Lease - 3 Co
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CONTACT RECEIVING OFFICE FOR N OF COPIES REQUIRED (Other Instructions on

Established and Man

Form 3160-3 (July 1989).

BLM Roswell District Modified Form No.

((ormerly 9-331C)		STATES		reverse ald	je)	NM060-3160-	-2	
	DEPARTMENT (•				5. LEASE DESIGNA	ATION AND BE	HIAL NO.
	BUREAU OF LA	ND MANAGEM	ENT			NM54184		
APPLICATION	I FOR PERMIT TO	DRILL, DEE	PEN. OR	PLUG B	ACK	G. IF THUIAN, ALA	OTTER OR THI	OK NAME
IG. TYPE OF WORK	_				· · · · · · ·	N.A.	· · · · · · · · · · · · · · · · · · ·	
DRI	LL 💢	DEEPEN .	!	PLUG BAC	ж □	7. UNIT AGREEM	ENT NAME	
b. TYPE OF WELL	. =		BINGLE [MULTIFL	at essaf	N.A.		
	OTHER	·	ZONE L	ZONE	עבע	S. FARM OR LEAS		
2. NAME OF OPERATOR				Area Code 6		Dunn B	rea.	
SDX Resour	ces, Inc.			505)7 <u>48</u> -	<u>-9724</u>			
3. ADDRESS OF OFERATOR	•					45	AA. AL WILL	
P.O. BOX 50 4. LOCATION OF WELL (Re	061. Midland.	TX. 79704 accordance with an	y State requir	cments.*)		Art-Qn-	1	CAT
	2583' FEL, uni	t G.Sec.	10			11. SEC., T., R., M	OR AREA	
At proposed prod. zone	· ·					Sec. 10	T188	
Same						R28E		
14. DIRTANCE IN MILES A	NO DIRECTION FROM MEAREST	TOWN OF POST OF	FICE.			12. COUNTY OF P	1	
15 miles S	.E. of Artesia	N.M.				Eddy	N.	М.
10. DISTANCE FROM PROPUL LOCATION TO NEAREST	330	16.	NO. OF YCHES	1% TEVER		F ACRES ABBIGNED		7
PROPERTY OR UNASE LI (Also to nestest drig.	unit line, if any (20')	12	40			40	
13. DISTANCE PROM THOSE TO NEAREST WELL, DR OR APPLIED FOR, ON THIS	SED LOCATION	19.	PROPOSED DEP	711 00'	20. ROTA	RY OR CABLE TOOL	rot.	
21. ELEVATIONS (Show when				· · · · · · · · · · · · · · · · · · ·	1	22. APPROX. DA	TE WORK WIL	L BTART
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		OPOSED CASING A	ND CEMENT	·				
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7-7/8" 5	-1/2" 14#		J-55	8rd	•	4000'	350 F 400 L	
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-Queen and	stimulate as n	ecessary	for opt	imum pr	ouuci.	ion.	ined in	`
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	ng Program: e Use and Oper	ating Pla	n					
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*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

APPROVED BY CONDITIONS OF APPROVAL, IF ANY;

PERMIT NO.

District I PO Box 1980, Hobbs, NM 8228-1980 District II PO Drawer DD, Artesia, NM 2211-0719 District III 1000 Rio Brazos Rd., Azzec. NM 87410 District IV PO Box 2088, Santa Fe, NM \$3504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

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AMENDED REPORT

		WE	LL LO	CATIO	N AND ACI	REAGE DEDI	ICATION P	LAT		
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* Property	Code				* Property				• Well Number	
		DO	NN B F	EDERAL.					45	
'OGRID	No.				· Elevation					
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G	10	185	28E	·	2310	NORTH	2583	EAST	EDDY	
			11 Bot	tom Hol	e Location I	f Different Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County	
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NO ALLO	VABLE					ON UNTIL ALL EEN APPROVED			DNSOLIDATED	
16							81.		RTIFICATION	

	,			I hereby certify that the information contained herein is true and complete to the best of my incoviledge and belief
		,0/		
				Che man
	·			Printed Name
		2583		Tiue = 94
		2 300		Date
·			7	¹⁸ 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 belief. NOVEMBER, R9R F V992
				Date of Survey Signature Surveyor
				5412) EE STATE ST
				Certificate Number
				Certificate Number NO 54.12

Form 3160-3 (July 1989) (termerly 9-331C)

THE PROPERTY OF THE PARTY OF TH

UNITED STATES

OFFICE, FOR MINOUT OF COPLES REQU. (Other Instructions on reverse side)

THE STATE OF THE S

P.18 MIM Romuell District Modified Form No. NMD60-3160-2

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A DDL IC	BUR	EAU OF LAND MAN	IAGEMENT			NM5.4.1	84
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SDX f	Resourges]	Inc.	ļ			9. WELL NO.	D Fed.
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P.O.	Box 5061, N	iidland, TX.	79704			10. PIELD AND T	OOL, OB WILDCAT
i. Location or w At surface	vect (Report location	clearly and in accordance	with any State requir	cments.*)			n-Gb-Sa
2595	' FSL, 10'	FEL, unit I,	Sec. 10			11. SEC., T., E., M AND SURVEY	OR AREA
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Same	MITTEL AND PARTORS	FROM NEAREST TOWN OR	nam arriar			R28E	ARISH 13. STATE
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TO NEAREST OR APPLIED FOR	WELL, BRILLING, COMPL 1, ON THIS LEASE, FT.	959'	4	000'			rot.
I. ELEVATIONS (S	how whether DF, RT, C				<u>'</u>		TE WORE WILL START*
	3622 0	R				1	2/1/95
3.		PROPOSED C	ASING AND CEMENT	ING PROGRAM	i	,	
••	The second secon						***************************************
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HOLE SIZE	4" 8-5/8"				d.		350 "C" 350 POZ
HOLE SIZE	4" 8-5/8"	24#	J-55	8r	d.	350'	350 "C"
HOLE SIZE 12-1/ 7-7/8	4" 8-5/8" " 5-1:/2"	24#	J-55 J-55	8r 8r	d . d .	350' 4000'	350 "C" 350 POZ 400 LITE
HOLE SIZE 12-1/ 7-7/8	4" 8-5/8" 3" 5-1:/2" to drill a 1	24# 14# 2-1/4" hole	J-55 J-55 to approx.	8r 8r 350 ; s	d. d. et 8-	350' 4000' 5/8" surf	350 "C" 350 POZ 400 LTTE ace casing.
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(This space for Federal or State office use)

preventer program, if any.

24.

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APPROVED BY: _ CONDITIONS OF APPROVAL, IN 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

, 1980, Hobbs, NM 3828-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

Form C-102 Revised February 10, 1994 Instructions on back

Submit to Appropriate District Office es.

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Natrice III 1000 Rio Bruzos Natrice IV					PO Box	2088 87504-2088	·•	Fe	e Lease - 4 Cop e Lease - 3 Cop
O Box 2088, Sa	nie Fc. NM				-2		م ما نند <u></u>		ENDED REPO
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,	AFI Numb	ca"		* Pool Code	i _	rt-0n-			
1 Property	Code				Property	Name			• Well Number 47
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Form 3160-3 (July 1989) (formerly 9-331C)

UNITED STATES DEPARTMENT OF THE INTERIOR

OFFICE ARR MAR OF COPIES REQUIRED ON (Other Instructions on reverse side)

BLM Roswell District Modified Form No. NMO60-3160-2

	با ، ،		NI, OF THE		*		5. DEARE DEBICH	ATION AND BERIAL NO.
		BUREAU (OF LAND MAN	AGEMENT			NM541	
APPLICA	TION FO	OR: PERMIT	TO DRILL,	DEEPEN O	R PILIG B	ACK.	G. IF INDIAN, ALI	NAME SEIRT BO MATTO
Ig. TYPE OF WORK		<u> </u>	10 0	Doct City C	1 1 2 0 Q D	· · · · · · · · · · · · · · · · · · ·	N.A.	
74, 111041	DRILL		DEEPEN		PLUG BAC	'к П	7. UNIT AGREEM	ENT NAME
b. TYPE OF WELL							N.A.	
WELL	GAS (OTHER	•	SINGUE ZONA	MULTIP	LE .	S. FARM OR LEAS	E NAME
2. HAME OF OFEKA		**************************************	·		. Area Code &	Phone No.	Dunn	B Fed.
SDX R	osoure/	es. The			(505)74	8-972	0 ect. 5 80.	
3 *Coness of ore					***		48	
P.O.	Box 506	61. Midla	nd, TX. 7	9704			10. FIELD AND P	OOL, OR WILDCAT
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At proposed pro Same	od, sone	4		*			R28E	
14. UINTANCE IN .	MILES AND DI	RECTION FROM N	MARKET YOWN OR IN	ST OFFICE*	<u> </u>	·		ARIGR 13. STATE
			esia, N.M				Eddy	N.M.
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13. DISTANCE PROX	est drig, unit	line, if any						
TO NEAREST W	ELL: DRILLING	G. COMPLETED.	1043'	19. гкоровко о	4000	ZU. ROTAI	RY OR CABLE TOOLS	rot.
OR APPLIED FOR.					1000		/ 80	
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L.1.			PROPOSED CA	SING AND CEMEN	ting Program	•		
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7-7/8	" 5- 1		14#	J-55	8r		4000	350 POZ
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-Queen	and st	imulate	as necess	ary for o	ntimum n	roduci	tion	ura, vara
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the fo	llowing	attachr	ents:		<u></u>	· ·	are out	1 2 11 O W + 1 A
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	xhibit	#2 Locat #3 Plann #4 One M	ion and E ed Access	levation Roads Roads	Plat		ess	
cone. If proposal	scrine propos is to drill or	#2 Locat #3 Plann #4 One M #5 Plann	ion and E ed Access lile Radiu ed Produc proposal is to dec	levation Roads s Map tion Faci open or plug back,	Plat lities a give data on pro	nd Acc	ictive sone and pr	oposed new productive
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*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

CONDITIONS OF APPROVAL, IF ANY;

District I PO Box 1980, Hobbs, NM \$835-1980 District II PO Drawer DD, Artesia, NM 2021-0719

District III 1000 Rio Brazos Rd., Aziec. Na \$7410 State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 10, 1994 Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

12. 13.00

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* Property (Code .				* Property	Name			* Well Number
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OGRID	No.				Operator	NAME			3612.
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Form 3160-3 (July 1989) (formerly 9-331¢)

UNITED STATES DEPARTMENT OF THE INTERIOR

OFFICE FOR MITTER
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reverse side)

BLM Roswell District Modified Form No. NHO60-3160-2

BUREAU OF LAND	MANAGEMENT		•		NATION AND BERIAL NO.
		N DULC D	A - 1/	NM5418	COTTER OR TRIDE HAME
APPLICATION FOR PERMIT TO D	KILL, DEEPEN, C	JR PLUG B	ACK	N.A.	THE PARTY OF TAMES
DRILL DE	EPEN 🗆	PLUG BAC	K 🗆	7. UNIT AGREES	ENT NAME
5. TYOU OF WELL		1200 BAC	٠٠٠ ليا	N.A.	
WELL OTHER	SINGLE C	MULTIPL	· 🗀	S. FARM OF LEA	SE NAME
2. HAME OF OPERATOR		. Area Code &		Dunn B	Fed.
SDY Resources Inc.		(505)748	-9724	ח שנוו אס.	
S ADDRESS OF UPERA (OR				၂ ဒီဟ	
P.O. Box 5061, Midland, TX	79704	r y	1	10. PIELD AND	FOOL, OR WILDCAT
4. LOCATION OF WELL (Report location clearly and in accor	dance with any State requ	ulrements.")	9 .	Art-Qr	n-Gb-Sa
1310' FNL, 1300' FWL, unit	D, Sec. 11			11. SEC. T. R.	M., OE BLE.
At proposed prod. zone				Securit	TT8S
Same				R28E	
14. DIRTANCE IN MILES AND DIRECTION FROM NEAREST TOW				12. COUNTY OR I	1
<u>15 miles S.E. of Artesia,</u>				Eddy	N.M.
10. DISTANCE FROM PROPUSED 1310	1			F ACEES ASSIGNED	,
(10 '(Also to nearest drig, unit line, if any))	1240			40 .
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED.	19. гкоговко с		20. AOTAI	Y OR CABLE TOOL	
OR APPLIED FOR, ON THIS LEASE, FT. 341		4000'		1.	rot.
21. ELEVATIONS (Show whether DF. RT. GR. etc.)					TE WORK WILL START
3637 GR				1	2/1/95
	ed casing and cemen	TING PROGRAM			
HOLE SIZE CASING SIZE WEIGHT/FOOT	GRADE	THREAD T	YPE	BETTING DEFTH	QUARTITY OF CEMENT
12-1/4" 8-5/8 24#	J-55	8rd		350	350 "C"
7-7/8 5-1/2 14#	J-55	8rd		4000'	350 POZ
					400 LITE
			1		
Plan to drill a 12-1/4" hol	e to approx.	350'; se	t 8-5	/8" surfa	ace casing.
Circulate "C" cement. Drill					
5-1/2" casing and circulate	cement Per	forate th	e San	Andres-0	Grayburg
-Queen and stimulate as nec					
Specific programs as per On	shore Oil and	d Gas Ord	er #1	are out	lined in
the following attachments:					
		*			
Drilling Program:					
Surface Use and Operat			## D-		ig Layout
Exhibit #1 Blowout Pre #2 Location an			#6 DI	TITIE K	r8 rayour
#2 Location an		iat			
#4 One Mile Ra			* * * * * * * * * * * * * * * * * * * *	•	
#5 Planned Pro		lities an	d Acc	ess	
N ADOVE STACE DESCRIBE PROPOSED PROGRAM : If proposed to	4				
one. If proposal is to drill or deepen directionally, give ;	pertinent data on subsurf.	give data on pres	measured	ctive some and pr and true vertical	depths. Give blowout
reventer program, if any.			·		
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CONDITIONS OF ACCRUYAL, IF ANY:	TITLE	· · · · · · · · · · · · · · · · · · ·		DATE	
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*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

BOX 1980; Hobbs, NM \$8228-1980 District II PO Drawer DD, Artenia, NM \$8221-0719 District III 1000 Rie Brazes Rd., Aziec, NM \$7410 District IV PO Box 2088, Santa Fc, NM \$8804-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name Art. - Qr. - Gb - SA Property Code Property Name DUNN B FEDERAL 50 OGRID No. Operator Name SDX RESOURCES, INC. 3637.

UL or lot so. Range Lot Idn Feet from the North/South fine Feet from the East/West line County Section Townsia WEST RDDX 28E 1310 NORTH 1300 D 11 **18**S 12 Bottom Hole Location If Different From Surface Lot Ida Feet from the North/South line Feet from the East/West line County UL or lot no. Range Township 1ª Consolidation Code | 13 Order No. a Joint of infill u Dedicated Acres 40 $I_{\sim}F_{c}I$

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OK A NON-STA			
16				17 OPERATOR CERTIFICATION
				Thereby certify that the information contained herein is
				true and complete to the best of my inomiedge and belief
ò			·	
3/2				
1300				
				Signature
				Church Maran
		,		Printed Name
		,		Ergr
		,		Title 12
		'.		Date
				18SURVEYOR 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 belief.
	·		,	NOVEMBER 29 1994
	·			Date of Survey A R. R. C. D. D.
,				Signature and Seal of Professional Surveyor
				((((((((((((((((((((
				5412 B5
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	,			Conjugate Bumpy A DEESS!
Laurence Control Control				Land Alla V The State of the St

CMD : -OG5SECT

ONGARD 01/12/95 13:46:42 INQUIRE LAND BY SECTION OGOMES -EMEG

PAGE NO: 1

Sec : 10 Twp : 18S Rng : 28E Section Type : NORMAL

D 40.00	C 40.00	B 40.00	A 40.00 #39 #42
Federal owned	Federal owned	Federal owned	Federal owned
A	A	A A	A A A
E 40.00	F 40.00	G 40.00 #38 #46	H 40.00
Federal owned	Federal owned	Federal owned	Federal owned
A	A	A A A	A
PF01 HELP PF02 PF07 BKWD PF08 FWI		F04 GoTo PF05 F10 SDIV PF11	PF06 PF12

CMD : OG5SECT

ONGARD INQUIRE LAND BY SECTION

01/12/95 13:48:09 OGOMES -EMEG PAGE NO: 2

Sec : 10 Twp : 18S Rng : 28E Section Type : NORMAL

L	K	J	I
40.00	40.00	40.00	40.00
Federal owned	Federal owned	Federal owned	Federal owned
A	A	-	A
	NT.		
M	N	0	P
40.00	40.00	40.00	40.00
Federal owned	Federal owned	Federal owned	Federal owned
A			A
	İ	-	
PF01 HELP PF02	PF03 EXIT	PF04 GoTo PF05	PF06
PF07 BKWD PF08 FWI	PF09 PRINT	PF10 SDIV PF11	PF12

CMD :

ONGARD

OG5ULST INQUIRE ULSTR PRODUCTION AND AGREEMENT DATA

01/12/95 13:44:45

OGOMES -EMEG PAGE NO: 1

Sec: 10 Twp: 18S Rng: 28E UL: A Lot-Idn: Sec : 10 Twp :
Acreage : 40.00 Bene Grp : Seismic Permit :

Lease Number : NO ACT IVE Expr Dte :

Lessee

Comm Agr Names :

Unit Agr Names :

S	API Num	Status				
	30 015 01809 30 015 28245 30 015 28246	A				
	HELP PF02 BKWD PF08	FWD	PF03 EXIT PF09	PF04 GoTo PF10	PF05 PF11	PF06 PF12

CMD: ONGARD 01/12/95 13:46:46 C105-WELL COMPLETION OR RECOMP CASING LOG OGOMES -EMEG OG6CLOG

OGRID Identifier : 20451 SDX RESOURCES INC Prop Identifier : 9814 DUNN_B_FEDERAL API Well Identifier : 30 15 28246

Well No : ⊄2⊃

Surface Locn - UL : A Sec : 10 Twp : 18S Range : 28E Lot Idn : Multple comp (S/M/C): N TVD Depth (Feet) : MVD Depth (Feet): Spud Date : P/A Date :

Casing/Linear Record:

S Size Grade Weight Depth(ft) Depth(ft) Hole Size Cement ---- TOC ---- (inches) (lb/ft) Top-Liner Bot-Liner (inches) (Sacks) (feet) Code

E0042:Record not found; Authority denied to ADD/MODIFY
PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

CMD :

ONGARD INQUIRE WELL DETAILS 01/12/95 13:46:59 OGOMES -EMEG

API Well No: 30-15-28246 Eff Date: 12-07-1994 APD Status: A

OGRID Idn : 20451 SDX RESOURCES INC Prop Idn : 9814 DUNN_B_FEDERAL

Well No : 42

U/L Sec Township Range North/South East/West Lot Idn

Surface Locn: A 10 18S 28E FTG 330 F N FTG 1192 F E API County: 15 Eddy

Well type : O Ground Level Elevn : 3625 Cable/Rotary : R Lease type : F State Lease Number :

Prpsd Depth : 4000 Prpsd Formation :

M0025:Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 PF08 PF09 PF10 IWCM PF11 HISTORY PF12 NXTREC

01/12/95 13:45:51 ONGARD CMD : -C105-WELL COMPLETION OR RECOMP CASING LOG OGOMES -EMEG OG6CLOG

OGRID Identifier : 20451 SDX RESOURCES INC Prop Identifier : 9814 DUNN B FEDERAL

API Well Identifier : 30 15 28245 Wel-1-No-:--3-95

Surface Locn - UL : A Sec : 10 Twp : 18S Range : 28E Lot Idn :
Multple comp (S/M/C): N TVD Depth (Feet) : MVD Depth (Feet):
Spud Date : P/A Date :
Caging/Linear Record:

Casing/Linear Record:

S Size Grade Weight Depth(ft) Depth(ft) Hole Size Cement ---- TOC ---- (inches) (lb/ft) Top-Liner Bot-Liner (inches) (Sacks) (feet) Code

E0042:Record not found; Authority denied to ADD/MODIFY
PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

CMD: - ONGARD INQUIRE WELL DETAILS

01/12/95 13:46:04 OGOMES -EMEG

OGRID Idn : 20451 SDX RESOURCES INC Prop Idn : 9814 DUNN_B_FEDERAL

Well No : 3:9

U/L Sec Township Range North/South East/West Lot Idn

___ ___

Surface Locn: A 10 18S 28E FTG 1319 F N FTG 60 F E

API County : 15 Eddy

Well type : O Ground Level Elevn : 3630 Cable/Rotary : R Lease type : F State Lease Number :

Prpsd Depth : 4000 Prpsd Formation :

M0025:Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 PF08 PF09 PF10 IWCM PF11 HISTORY PF12 NXTREC

CMD -: - ``-OG5ULST INQUIRE ULSTR PRODUCTION AND AGREEMENT DATA

ONGARD

01/12/95 13:55:07

OGOMES -EMEG

PAGE NO: 1

Sec : [10 Twp : 18S Rng : 28E UL: B) Lot-Idn :
Acreage : 40.00 Bene Grp : Seismic Permit :

Lease Number

Lessee Comm Agr Names :

: NO ACT IVE Expr Dte :

Unit Agr Names :

S API Num Status

30 015 01808 A 3-0-0-1-5-2:8:0:0:9-A

PF03 EXIT PF04 GoTo PF09

PF05

PF06

PF01 HELP PF02 PF07 BKWD PF08 FWD

PF10

PF11

PF12

Unit B (NW/4 NE/4)

ONGARD 01/12/95 13:55:19
OG6CLOG C105-WELL COMPLETION OR RECOMP CASING LOG OGOMES -EMEG

OGRID Identifier : 20451 SDX RESOURCES INC Prop Identifier : 9814 DUNN B_FEDERAL API Well Identifier : 30 15 28009

Well No : 034

Surface Locn - UL : B Sec : 10 Twp : 18S Range : 28E Lot Idn :
Multple comp (S/M/C): S TVD Depth (Feet) : MVD Depth (Feet):
Spud Date : P/A Date :
Casing/Linear Record:

S Size Grade Weight Depth(ft) Depth(ft) Hole Size Cement ---- TOC ---- (inches) (lb/ft) Top-Liner Bot-Liner (inches) (Sacks) (feet) Code

E0042:Record not found; Authority denied to ADD/MODIFY

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

CMD -: ONGARD
OG6WELL INQUIRE WELL DETAILS

01/12/95 13:55:33 OGOMES -EMEG

OGRID Idn : 20451 SDX RESOURCES INC Prop Idn : 9814 DUNN B FEDERAL Well No : 034

U/L Sec Township Range North/South East/West Lot Idn

--- --- ----- -----

Surface Locn: B 10 18S 28E FTG 1310 F N FTG 1350 F E

API County : 15 Eddy

Well type : O Ground Level Elevn : 3619 Cable/Rotary : R Lease type : F State Lease Number :

Prpsd Depth : 4000 Prpsd Formation : QUEEN

M0025:Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 PF08 PF09 PF10 IWCM PF11 HISTORY PF12 NXTREC

CMD : . ONGARD OG5ULST

01/12/95 13:59:52

INQUIRE ULSTR PRODUCTION AND AGREEMENT DATA OGOMES -EMEG

PAGE NO: 1

Sec: 10 Twp: 18S Rng: 28E UL: G Lot-Idn: Acreage : 40.00 Bene Grp : Seismic Permit :

Lease Number

Lessee Comm Agr Names :

: NO ACT IVE Expr Dte :

Unit Agr Names :

S	API Num	Status				
	30 015 01813 30 015 28244	A				
PF01	30 015 28247 HELP PF02		PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	BKWD PF08	FWD I	PF09	PF10	PF11	PF12

Unit 6
(SW/4 NE/4)

CMD :-OG6CLOG

ONGARD C105-WELL COMPLETION OR RECOMP CASING LOG OGOMES -EMEG

01/12/95 14:00:04

OGRID Identifier : 20451 SDX RESOURCES INC Prop Identifier : 9814 DUNN B FEDERAL

API Well Identifier : 30-15-28244> (Well No : 38)

Surface Locn - UL : G Sec : 10 Twp : 18S Range : 28E Lot Idn : Multple comp (S/M/C): N TVD Depth (Feet) : MVD Depth (Feet) :

Spud Date : P/A Date :

Casing/Linear Record:

S Size Grade Weight Depth(ft) Depth(ft) Hole Size Cement ---- TOC ----(inches) (lb/ft) Top-Liner Bot-Liner (inches) (Sacks) (feet) Code

E0042:Record not found; Authority denied to ADD/MODIFY

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

CMD: ONGARD
OG6WELL INQUIRE WELL DETAILS 01/12/95 14:00:23 OGOMES -EMEG

OGRID Idn : 20451 SDX=RESOURCES=INC Prop Idn : 9814 DUNN=B=FEDERAL

Well No : 338

U/L Sec Township Range North/South East/West Lot Idn

--- --- ---- ---- -----

Surface Locn: G 10 18S 28E FTG 1330 F N FTG 2583 F E API County: 15 Eddy

Well type : O Ground Level Elevn : 3627 Cable/Rotary : R Lease type : F State Lease Number :

Prpsd Depth : 4000 Prpsd Formation :

M0025:Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 PF08 PF09 PF10 IWCM PF11 HISTORY PF12 NXTREC

ONGARD
OG6CLOG
C105-WELL COMPLETION OR RECOMP CASING LOG
OGOMES -EMEG

OGRID Identifier : 20451 SDX RESOURCES INC Prop Identifier : 9814 DUNN B FEDERAL

API Well Identifier: 30 15 28247 Well No: 46

Surface Locn - UL: G Sec: 10 Twp: 18S Range: 28E Lot Idn:

Multple comp (S/M/C): N TVD Depth (Feet): MVD Depth (Feet):

Spud Date : P/A Date :

Casing/Linear Record:

S Size Grade Weight Depth(ft) Depth(ft) Hole Size Cement ---- TOC ----(inches) (lb/ft) Top-Liner Bot-Liner (inches) (Sacks) (feet) Code

E0042:Record not found; Authority denied to ADD/MODIFY
PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

ONGARD OG6WELL INQUIRE WELL DETAILS

01/12/95 14:00:48 OGOMES -EMEG

API Well No: 30 15 28247 Eff Date: 12-07-1994 APD Status: A

OGRID Idn : 20451 SDX RESOURCES INC Prop Idn : 9814 DUNN B FEDERAL Well No : 46

U/L Sec Township Range North/South East/West Lot Idn

Surface Locn : G 10 18S 28E FTG 2500 F N FTG 1330 F E

API County : 15 Eddy

Well type : O Ground Level Elevn : 3613 Lease type : F State Lease Number : Cable/Rotary : R

Prpsd Depth : 4000 Prpsd Formation :

M0025:Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 PF07 PF08 PF09 PF10 IWCM PF11 HISTORY PF12 NXTREC

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 S. PACHECO

SANTA FE, NEW MEXICO 87505 (505) 827-7131

August 18, 1995

SDX Resources, Inc. P. O. Box 5061 Midland, Texas 79704

Attention: John Pool

Administrative Order DD-109(H) High Angle/Horizontal

Dear Mr. Pool:

Reference is made to SDX Resources, Inc.'s application of June 13, 1995 for authorization to initiate a high angle/horizontal directionally drilling project in the Artesia-Queen-Grayburg-San Andres Pool on a portion of its Dunn "B" Federal lease in the SW/4 NE/4 of Section 10, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

The Division Director Finds That:

- (1) The application by SDX Resources, Inc. ("SDX") has been duly filed under the provisions of Rule 111.D and E of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- (2) The proposed high angle/horizontal directionally drilling project is within the applicant's International Oil & Gas Queen-Grayburg-San Andres Waterflood Project Area, established by Division Order No. R-2869, dated February 11, 1965, and as such the Artesia-Queen-Grayburg-San Andres Pool is subject to the statewide rules and regulations for oil wells, as promulgated by Rules 104.C(1) and F(1), which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to the outer boundary of the lease or unitized area, nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary;
- (3) Those portions of said Section 10 that are within the International Oil & Gas Queen-Grayburg-San Andres Waterflood Project Area include the N/2, SE/4 SW/4, and SE/4;
- (4) SDX is seeking to initiate an high angle/horizontal directional drilling project within the Artesia Pool in an attempt to contact more permeability in the vertical fracture systems of the San Andres formation;
- (5) It is SDX's intent to place its Dunn "B" Federal Well No. 38 at a previously approved unorthodox oil well location (see Division Administrative Order NSL-3465, dated January 17, 1995) 1330 feet from the North line and 2583 feet from the East line (Unit G) of said Section 10, drill vertically to an approximate depth of 2950 feet, kick-off in a southeasterly direction with a short radius wellbore (71.62 degrees/100 feet or 80 foot radius), and drill horizontally a lateral distance of approximately 1,000 feet;

- (6) The "project area" for said horizontal well is to consist of the single 40-acre standard oil spacing and proration unit comprising the SW/4 NE/4 (Unit G) of said Section 10;
- The subject pool within the proposed project area is currently being developed by the Dunn "B" Federal Well No. 19 (API No. 30-015-01813), located 1980 feet from the North and East lines of said Section 10, a water injection well authorized by Division Administrative Order WFX-381, dated October 31, 1972, and the applicant's Dunn "B" Federal Well No. 46 (API No. 30-015-28247), a producing oil well located at a previously approved (also by said Order NSL-3465) unorthodox oil well location 2500 feet from the North line and 1330 feet from the East line of said Section 10;
- (8) As required by Division General Rules 104.F(1) and 111.D(1)(b) and to assure that the correlative rights of off-set operators are adequately protected from any adverse effects caused by the drilling of the subject lateral wellbore, the applicable drilling window or "producing area" for said horizontal well bore should include that area within the SW/4 NE/4 of said Section 10 that is no closer than 10 feet from the quarter-quarter section lines nor within that area being a 330 by 330 foot square in the extreme southwestern corner of the subject quarter-quarter section; and,
- (9) It appears the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

SDX Resources, Inc. ("SDX") is hereby authorized to initiate a highly deviated directional drilling project in an existing standard 40-acre oil spacing and proration unit comprising the SW/4 NE/4 (Unit G) of Section 10, Township 18 South, Range 28 East, NMPM, Artesia-Queen-Grayburg-San Andres Pool, International Oil & Gas Queen-Grayburg-San Andres Waterflood Project Area, Eddy County, New Mexico, by drilling its Dunn "B" Federal Well No. 38 at a previously approved unorthodox surface oil well location (see Division Administrative Order NSL-3465, dated January 17, 1995) 1330 feet from the North line and 2583 feet from the East line (Unit G) of said Section 10, drill vertically to an approximate depth of 2950 feet, kick-off in a southeasterly direction with a short radius wellbore (71.62 degrees/100 feet or 80 foot radius), and drill horizontally a lateral distance of approximately 1,000 feet through the Artesia-Queen-Grayburg-San Andres Pool.

<u>PROVIDED HOWEVER THAT</u> prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

<u>PROVIDED FURTHER THAT</u> during or upon completion of said directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

- (2) The applicant shall notify the supervisor of the Artesia District office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Artesia offices of the Division upon completion.
- (3) The "project area" for said horizontal well shall consist of the single 40-acre standard oil spacing and proration unit comprising the SW/4 NE/4 (Unit G) of said Section 10;

Administrative Order DD-109(H) August 18, 1995 Page No. 3

- (4) The "producing area" for said horizontal wellbore shall include that area within the SW/4 NE/4 of said Section 10 that is no closer than 10 feet from the quarter-quarter section lines nor within that area being a 330 by 330 foot square in the extreme southwestern corner of the subject quarter-quarter section.
- (5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F.
- (6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth (TVD) in addition to measured depths (MVD).
- 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. LEM

Director

SEAL

cc: Oil Conservation Division - Artesia

U.S. BLM - Carlsbad

File: NSL-3465 ➤

Case 11,274

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

November 13, 1995

SDX Resources, Inc. P. O. Box 5061 Midland, Texas 79704

Attention: John Pool

Administrative Order DD-109-A(H) High Angle/Horizontal

Dear Mr. Pool:

Reference is made to SDX Resources, Inc.'s application dated October 20, 1995 for authorization to initiate a high angle/horizontal directionally drilling project in the Artesia-Queen-Grayburg-San Andres Pool on a portion of its Dunn "B" Federal lease in the NE/4 NE/4 of Section 10, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

The Division Director Finds That:

- (1) The application by SDX Resources, Inc. ("SDX") has been duly filed under the provisions of Rule 111.D and E of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- The proposed high angle/horizontal directionally drilling project is within the applicant's International Oil & Gas Queen-Grayburg-San Andres Waterflood Project Area, established by Division Order No. R-2869, dated February 11, 1965, and as such the Artesia-Queen-Grayburg-San Andres Pool is subject to the statewide rules and regulations for oil wells, as promulgated by Rules 104.C(1) and F(1), which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to the outer boundary of the lease or unitized area, nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary;

- (3) Those portions of said Section 10 that are within the International Oil & Gas Queen-Grayburg-San Andres Waterflood Project Area include the N/2, SE/4 SW/4, and SE/4;
- (4) SDX is seeking to initiate an high angle/horizontal directional drilling project within the Artesia Pool in an attempt to contact more permeability in the vertical fracture systems of the San Andres formation;
- It is SDX's intent to place its Dunn "B" Federal Well No. 39 (API No. 30-015-28245) at a previously approved unorthodox oil well location (see Division Administrative Order NSL-3465, dated January 17, 1995) 1319 feet from the North line and 60 feet from the East line (Unit A) of said Section 10, drill vertically to an approximate depth of 2940 feet, kick-off in a northwesterly direction with a short radius wellbore (71.62 degrees/100 feet or 80 foot radius), and drill horizontally a lateral distance of approximately 1,000 feet;
- (6) The "project area" for said horizontal well is to consist of the single 40-acre standard oil spacing and proration unit comprising the NE/4 NE/4 (Unit A) of said Section 10;
- (7) The subject pool within the proposed project area is currently being developed by the Dunn "B" Federal Well No. 13 (API No. 30-015-01809), located 660 feet from the North and East lines of said Section 10, a water injection well authorized by Division Order No. R-2869, dated February 11, 1965;
- (8) As required by Division General Rules 104.F(1) and 111.D(1)(b) and to assure that the correlative rights of off-set operators are adequately protected from any adverse effects caused by the drilling of the subject lateral wellbore, the applicable drilling window or "producing area" for said horizontal well bore should include that area within the NE/4 NE/4 of said Section 10 that is no closer than 10 feet from the southern, eastern, and western boundaries of the subject quarter-quarter section nor closer than 330 feet to its northern boundary; and,
- (9) It appears the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

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IT IS THEREFORE ORDERED THAT:

(1) SDX Resources, Inc. ("SDX") is hereby authorized to initiate a high angle/horizontal directional drilling project in an existing standard 40-acre oil spacing and proration unit comprising the NE/4 NE/4 (Unit A) of Section 10, Township 18 South, Range 28 East, NMPM, Artesia-Queen-Grayburg-San Andres Pool, International Oil & Gas Queen-Grayburg-San Andres Waterflood Project Area, Eddy County, New Mexico, by drilling its Dunn "B" Federal Well No. 39 at a previously approved unorthodox surface oil well location (see Division Administrative Order NSL-3465, dated January 17, 1995) 1319 feet from the North line and 60 feet from the East line (Unit A) of said Section 10, drill vertically to an approximate depth of 2940 feet, kick-off in a northwesterly direction with a short radius wellbore (71.62 degrees/100 feet or 80 foot radius), and drill horizontally a lateral distance of approximately 1,000 feet through the Artesia-Queen-Grayburg-San Andres Pool.

<u>PROVIDED HOWEVER THAT</u> prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

<u>PROVIDED FURTHER THAT</u> during or upon completion of said directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

- (2) The applicant shall notify the supervisor of the Artesia District office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Artesia offices of the Division upon completion.
- (3) The "project area" for said horizontal well shall consist of the single 40-acre standard oil spacing and proration unit comprising the NE/4 NE/4 (Unit A) of said Section 10.
- (4) The "producing area" for said horizontal wellbore shall include that area within the NE/4 NE/4 of said Section 10 that is no closer than 10 feet from the southern, eastern, and western boundaries of the subject quarter-quarter section nor closer than 330 feet to its northern boundary.
- (5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F.

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- (6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth (TVD) in addition to measured depths (MVD).
- (7) 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

SEAL

cc: Oil Conservation Division - Artesia

U.S. BLM - Carlsbad

File: NSL-3465

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