nMESO- 133157208



Southwestern Energy **Production Company**

Samuel Glenn Thompson Staff Landman-Exploration e-mail sthompsoloswn.com

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East Houston, Texas 77032 (281) 618-4700 FAX: (281) 618-4757

November 27, 2001

New Mexico Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, New Mexico 87505

fax # 505.476.3471 Attn: Mr. Mike Stogner

Exception Location for the

Electrolux "21" State Com. #1 Well

1200' FNL & 2500' FWL Section 21-17S-35E

Lea County, New Mexico

Gentlemen:

You will find enclosed the following information relative to the proposed drilling of the captioned well at an off-pattern location:

- 1. Application for Permit to Drill-C-101
- 2. Well Location and Acreage Dedication Plat- C-102
- 3. Location Verification Map
- 4. Vicinity Map
- 5. Seismic Inversion Map showing Atoka Sand Outline
- 6. Isopach Map

Southwestern Energy Production Company respectfully requests approval of this seismically controlled off-pattern location; this information is being faxed because we do have a rig that can commence drilling on December 1, 2001. If you would like to converse with our geophysicist Mike Navolio's # is 281.618.4796. Thanks for your early consideration.

Respectfully.



Southwestern Energy **Production Company**

From-SEPCO ADMIN FAX

A subsidiary of Southwestern Energy Company

Samuel Glenn Thompson Staff Landman-Exploration e-mail sthompso@swn.com

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Re:

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Respectfully.

+2816184757

T-472 P.002/009 F-289

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-101 Revised March 17, 1999

Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505 Submit to appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies

AMENDED REPORT

APPLI	CATIC	N FOR	PERMIT T	O DRILL	, RE-ENTI	ER, DE	EPEN,	PLUGBA	CK, O	RADD	A ZONE
		outhwester	Operator Name and rn Energy Pro- n Houston Par Houston, TX	duction Con kway East,				148111	OGRII	Number	
								30 -	API	Vumber	
Propert	y Code				Property Name			1 30 4		8 Well 1	Vo.
					ux "21" State our face Locat				1	1	
C T	Section				7		[<u> </u>		
C/L or lot no.	21	Township 17\$	Range 35E	Lot Idn	Feet from the		South line	Feet from the	1	West line	County
			Proposed Bo	ttom Hole			onh Evor	2500	1 <u>v</u>	Vest	Lea
LIL or lot no.	Section	Township	Range	Lor Idn	Feet from the	1	South line	Fect from the		1	
G2 01 100 VID.	3.0.2.11	10 41.13.11.10	Kange	CDI IMI	reet nom the	1401413.	South line	rect from the	East/\	Vest line	County
	_	° Pı	rapased Pool 1			<u> </u>		10 Prop	osed Pool		
	No	orth Vacu	um Atoka M	lorrow							
7 Work T	ype Code		12 Well Type Code		13 Cable/Rotary	,	14	Lease Type Code		15 C	1 Level Elevation
	1		G		R			S			,953
I Mu		-	Proposed Depth 12,500		Formation Atoka			Pending			Spud Date 2/03/01
	<u>`</u>	· · · · · · · · · · · · · · · · · · ·		oposed Ca	sing and Ce	ment P	rogram			12	703/01
Hole Si	ze	Casi	ng Size	Casing weigh		Setting D		Sacks of C	Cement	E	stimated TOC
26"		2	0"			40'		Ready Mix			Surface
17 1/2	,,	13	3/8"	48#		500'		530		Surface	
11"		8 :	5/8"	32#		5,000'		1350		Surface	
7 7/8	"	5	1/2"	17#		1,500	0,	900		8,500'	
	eribe the bl		fthis application is				ta on the p	resent productive	20ne and	proposed i	new productive
23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature:					o the	(on co	DNSERVAT	TION D	OIVISIC	N
	1				Appi	oved by:				·	-
Printed name:	Cathy Ro	wan									
Title: Sr. Engi	neering Tec	hnician			App	oval Date:		1	Expiration	Date:	
Date: Novem	ber 21, 20)1	Phone: 281-6	518 - 4733	ŀ	litions of A	pproval:				

GENERAL DRILLING PROGRAM- Attachment to Form C-101

Southwestern Energy Production Company- Electrolux "21" State Com. #1 1200' FNL 2500' FWL Section 21-T17S-R35E Lea County, New Mexico

Elevation: 3953' GR

Proposed Total Depth: 12,500'

Estimated Formation Tops

Rustler	1800
Yates	3070
Queen	3950'
San Andres	4630'
Glorieta	6190'
Blinebry Pay	6975'
Tubb	7690'
Abo	8375'
Wolfcamp	9840'
XX Marker	10,015
L. Wolfcamp Ls	10,340'
U. Penn Ls	10,470'
M. Penn Ls	10,775
Cisco	10,960
Canyon	11,160'
Strawn	11,480'
Atoka	11,750'
Atoka Sand	11,900'
Top Morrow	11,950'
Morrow Clastics	12,025'
Missippian	12,145'
Total Depth	12,500'

Casing/Cement Program

Hole Size	Casing Size/Weight/Grade	Setting Depth	Cement	Est. TOC
	20" Conductor pipe	40'	ready mix	surface
17-1/2"	13-3/8" 48# H-40 ST&C	500'	530 sx 15:85 Poz: Class C + 0.25 pps D29+2% S1+2% D20	surface
11"	8-5/8" 32# J-55 ST&C	5000'	Lead: 1100 sx 35:65 Poz: Class C + 6% D20+ 0.25 pps D29 Tail: 250 sx Class C+ 2% S1 +0.25 pps D29	surface
7-7/8"	5-1/2" 17# N-80 LT&C	12,500	900 sx 50:50 Poz: Class H + 6% D44 +2% D20+0.4% D59	8500'

Drilling Fluids Program

<u>Depth</u>	Mud Weight	Viscosity	Fluid Loss	Comments
0-500'	8.4-8.6	32-34	NC	spud mud

Nov-27-2001 04	1:28pm From-SEPC	O ADMIN FAX	+2816184757	T-472	P.004/009	F-289
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500'-5000'	10.0-10.2	28-29	NC	brine water,paper,caustic
5000'-11,000'	8.4-9.3	28-29	NC	cut brine,caustic,paper
11,000'-12,500'	9.3-9.8	34-38	<15 cc	xantham gum, starch

Blowout Prevention Program- Attachment to Form C-101

0'-450'	None
500'-5000'	13-5/8" 5000# double ram type preventers, 5000# annular preventer and rotating head body. Test all rams choke manifold, kill line upper and lower kelly valves to 3000 psi. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system.
5000'-12,500'	13-5/8" 5000# double ram type preventers, 5000# annular preventer and rotating head body. Test all rams choke manifold, kill line upper and lower kelly valves to 3000 psi. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system.

Any equipment failing to test satisfactorily, will be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log.

The BOP's will be maintained ready for use until drilling operations are completed. BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.

DETECT I 1625 N. French Dr., Hobbs, NM \$5840

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 16, 2000 Submit to Appropriate District Office State Louis - 4 Copies Fee Louis - 2 Copies

<u>PROTECT II</u> F.O. Drawer DS, Artonia, MM 58311-0719

DISTRICT III 1000 Rie Brazes Rd., Astec, KM 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

☐ AMENDED REPORT

DETERCT IV 2040 South Punhaco, Santa Pa, NK 67506

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name	
	86800	North Vacuum Atoka Morrow	
Property Code	ELECTROLU	Well Number	
OGEID No. 148111	-	irator Name IERGY PRODUCTION CO.	Movetien 3953

Surface Location

UL or let No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Peet from the	East/West line	County
С	21	17 S	35 E		1200	NORTH	2500	WEST	LEA

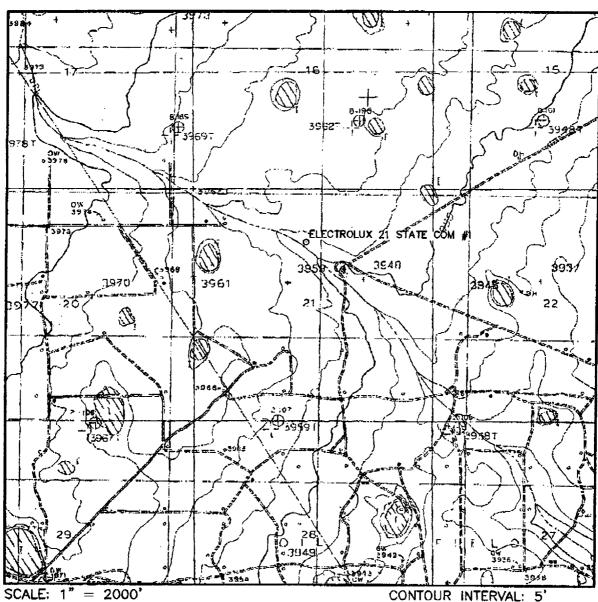
Bottom Hole Location If Different From Surface

ſ	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Fest from the	East/West line	County
L	_									
Γ	Dedicated Acres	Joint o	r Infill Cot	eachdation (Code Gre	iar No.				
	320									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

	MON-SIANDA.	KD UNII HAS DEEN	APPROVED BY THE	DIAISION
2500'-	,1200,			OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and being. Signature
				Cathy Rowan Printed Name Sr. Engineering Tech. November 21, 2001 Date SURVEYOR CERTIFICATION
			Junionio (I hereby certify that the well location shown on this plat was platted from field notes of wal serveys made by me or under my cruison and that the same to true and rect to the best of my baker.
			- 12 V	Esignature & Seal of Professional Surveyor 35 W.O. Nurn. 2001-1050-S Certificate No. MACON McDCNALD 12185

LOCATION VERIFICATION MAP



U.S.G.S. TOPOGRAPHIC MAP

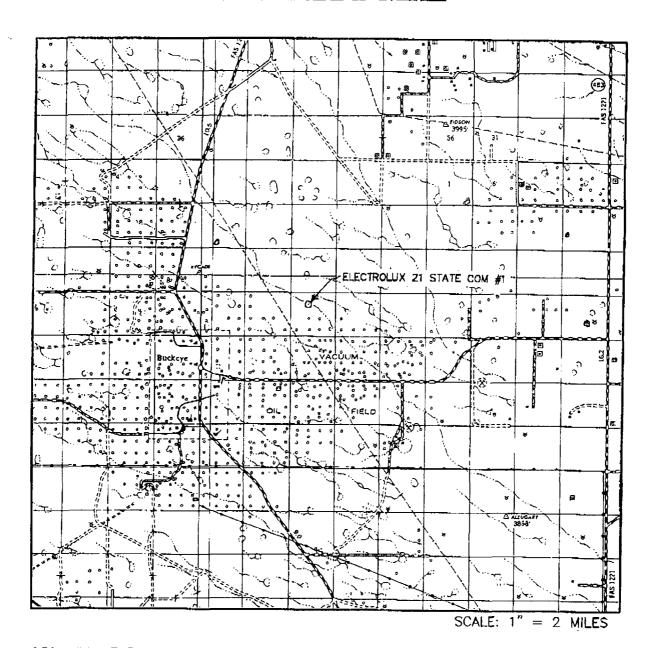
LOVINGTON SW, N.M.

LOVINGTON SW

SEC. 21 TWP. 17-S RGE. 35-E SURVEY N.M.P.M. COUNTY LEA DESCRIPTION 1200' FNL & 2500' FWL ELEVATION_ 3953 SOUTHWESTERN ENERGY OPERATOR PRODUCTION CO. LEASE ELECTROLUX 21 STATE COM

COMPANY 110 W. LOUISIANA, STE. 110 MIDLAND TEXAS, 79701 687-0865 - (915) 687-0868 FAX

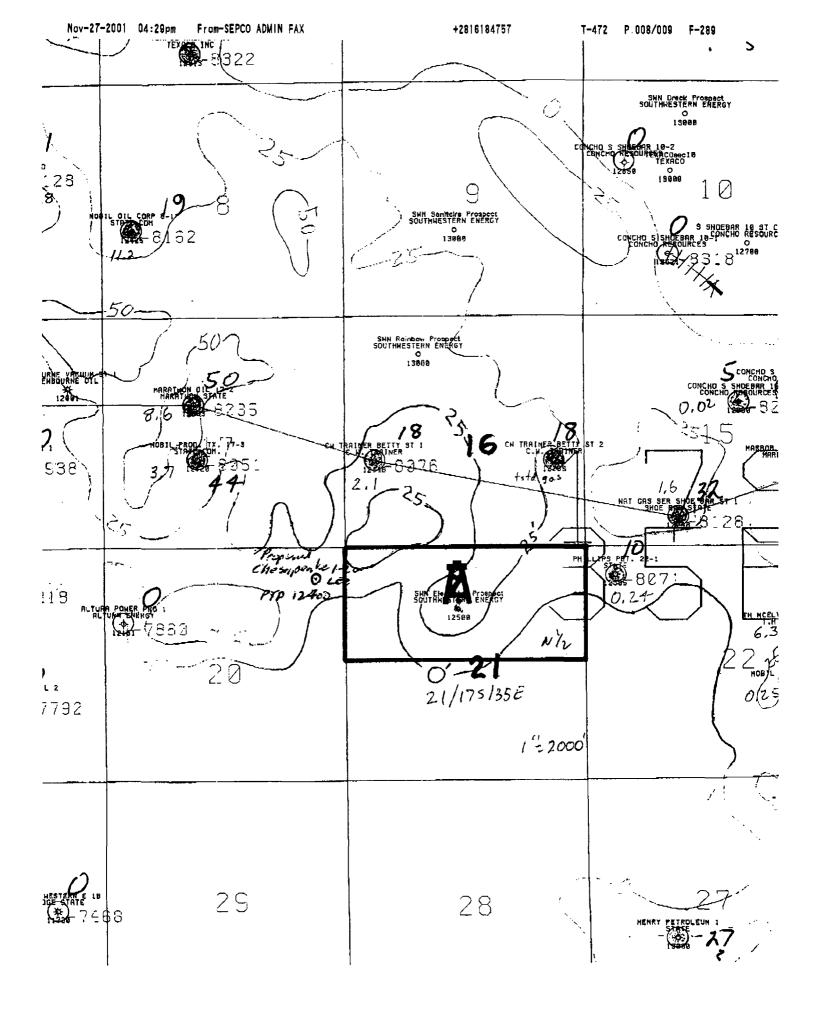
VICINITY MAP

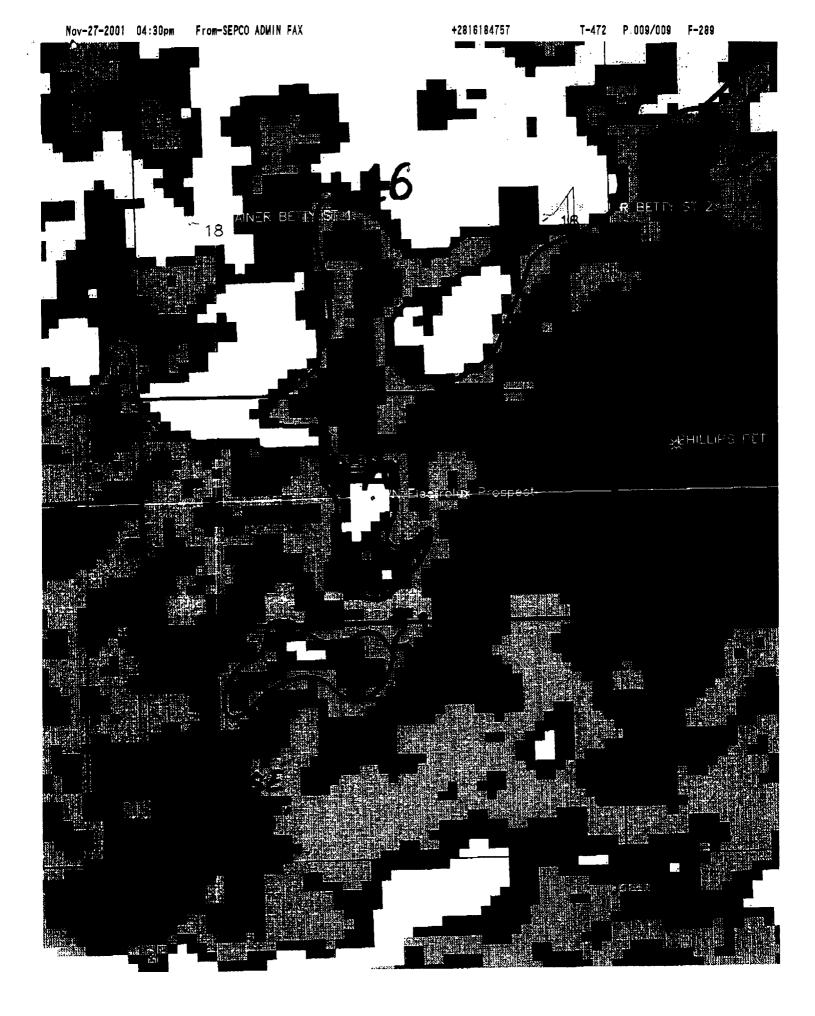


SEC. <u>21</u>	TWP. <u>_17-S</u> RGE. <u>35E</u>
SURVEY	N.M.P.M.
COUNTY_	LEA
DESCRIPT	TION 1200' FNL & 2500' FWL
ELEVATION	
OPERATO	SOUTHWESTERN ENERGY R PRODUCTION CO.
LEASE	FLECTROLUX 21 STATE COM



EOMPANY 110 W. LOUISIANA, STE. 110 MIDLAND TEXAS, 79701 MIDLAND TEXAS, 79701 (915) 687-0865 - (915) 687-0868 FAV





Stogner, Michael

From: Sam_Thompson@swn.com

Sent: Tuesday, November 27, 2001 2:30 PM

To: mstogner@state.nm.us

Subject: Electrolux exception location info

The info was faxed to 505.476.3471; please advise if it is legible.

The calls in the letter should have read 1200' FNL & 2500' FWL Sec 21-17S-35E

Thanks

sam

Samuel Glenn Thompson Staff Landman - Exploration & Production Southwestern Energy Production Company 2350 N. Sam Houston Pkwy. East #300 Houston, Texas 77032 Main # 281.618.4700 Direct # 281.618.4719 Fax # 281.618.4757 email: sthompso@swn.com

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Stogner, Michael

From:

Sam_Thompson@swn.com

Sent:

Tuesday, November 27, 2001 2:25 PM

To:

mstogner@state.nm.us

Subject:

Electrolux exception location info

The info was faxed to 505.476.3471; please advise if it is legible.

Thanks

sam

Samuel Glenn Thompson Staff Landman - Exploration & Production Southwestern Energy Production Company 2350 N. Sam Houston Pkwy. East #300 Houston, Texas 77032 Main # 281.618.4700 Direct # 281.618.4719 Fax # 281.618.4757 email: sthompso@swn.com

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CMD : OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/27/01 14:42: OGOMES -TP PAGE NO:

Sec : 21 Twp : 17S Rng : 35E Section Type : NORMAL

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08/10/44	08/10/44 	11/10/61	05/22/4
F01 HELP PF02		F04 GoTo PF05	PF06
FO7 BKWD PFO8 FWI	D PF09 PRINT PI	F10 SDIV PF11	PF12

Date: 11/27/2001 Time: 03:13:16 PM

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CMD : OG5SECT

ONGARD
INQUIRE LAND BY SECTION

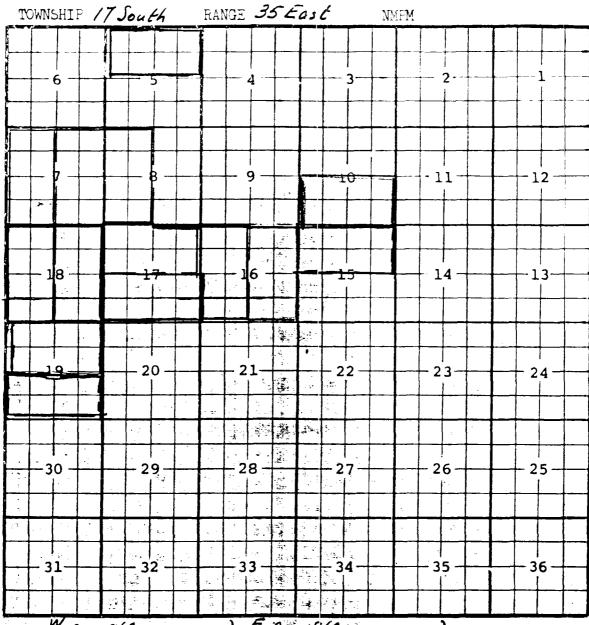
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MOBIL PRODUCING T	MOBIL PRODUCING T	PHILLIPS PETROLEU	OCCIDENTAL PERM
08/10/44	U 08/10/44	U 01/11/39	U 12/26/4
A	A	A	A
M	N		P
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CS	CS	CS	CS
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MOBIL PRODUCING T	MOBIL PRODUCING T	PHILLIPS PETROLEU	PHILLIPS PETROI
U 08/10/44	U 08/10/44	U 01/11/39	U 05/22/4
A	A	A A	AAA
PF01 HELP PF02	PF03 EXIT P	F04 GoTo PF05	PF06
PF07 BKWD PF08 FW		F10 SDIV PF11	PF12

Date: 11/27/2001 Time: 03:13:18 PM



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