



State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

JIM BACA
COMMISSIONER

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

April 22, 1992

Mobil Exploration and Producing U.S. Inc.
P. O. Box 633
Midland, Texas 79702

RECEIVED

APR 22 1992

Attn: Mr. Glen Cox

OIL CONSERVATION DIVISION

Re: Application for Approval of
Initial Gallup Formation Participating Area
Lindrith Unit
Rio Arriba County, New Mexico

Dear Mr. Cox:

This office is in receipt of your letter of August 13, 1990, wherein you have applied for approval of the Initial Participating Area for the Gallup Formation, Lindrith Unit, Rio Arriba County, New Mexico. Included with your request is documentation to support the commercial determination of the Unit Well Nos. 34 and 37 and the non-commercial determination of the Unit Well Nos. 38, 72, 73 and 74.

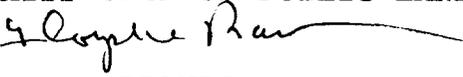
The Bureau of Land Management by their letter of June 6, 1991, has notified this office that they approved your application for approval of the Initial Participating Area for the Gallup Formation based upon the commercial production of the Lindrith Unit Well Nos. 34 and 37. In addition the Unit Well Nos. 38, 72, 73 and 74 have been determined as non-commercial.

Please be advised that the Commissioner of Public Lands concurs with the commercial determination of the Unit Well Nos. 34 and 37 and has this date approved the Initial Gallup Participating Area for the Lindrith Unit, Rio Arriba County, New Mexico. The Initial Participating Area for the Gallup Formation consists of the E/2 of Section 4-24N-2W, and the E/2 of Section 32-25N-2W, N.M.P.M., containing 640.00 acres. We also concur with the BLM that the Unit Well Nos. 38, 72, 73 and 74 are non-commercial and should be produced on a lease basis.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744

JB/FOP/pm
cc: BLM, OGD, TRD

MERIDIAN OIL

#159

February 27, 1992

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

N.M. Commissioner of Public Lands
P.O. Box 1148
Santa Fe, NM 87501

✓ N.M. Oil Conservation Division
Energy & Minerals Department
P.O. Box 2088
Santa Fe, NM 87504

RE: Lindrith Unit, I Sec. #713
Rio Arriba County, New Mexico
1992 PLAN OF DEVELOPMENT

Gentlemen:

By our letter dated February 26, 1991, Meridian Oil Inc., as Unit Operator, for the referenced unit, filed the Plan of Development for the calendar year 1991 providing for the drilling of no wells.

As of this date, the total number of wells in the Lindrith Unit is as follows:

Fruitland Coal Re Completions, Non-Commerical	4
Pictured Cliffs, Commercial	93
Pictured Cliffs, Non-Commercial	5
Pictured Cliffs, Being Evaluated	8
Pictured Cliffs, Plugged & Abandoned	<u>9</u>
	119

Pursuant to Section 9 of the Lindrith Unit Agreement, Meridian Oil Inc., as Unit Operator, submits a no well program. Mobil Exploration & Producing U.S. Inc., as Sub-Operator, hereby submits their proposed 1992 Plan of Development (copy attached) providing for the drilling of five (5) Dakota Sand wells. Mobil has also provided the attached 1991 Summary of Activity for the Lindrith "B" Unit for your files.

Meridian Oil Inc. has contacted all of the working interest owners and has received the necessary concurrence to propose the above stated 1992 Plan of Development.

Regulatory Agencies
February 27, 1992
Page 2.

Meridian Oil Inc. has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of no wells during the calendar year 1992.

Meridian Oil Inc., as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned as the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Kent Beers
Attorney-in-Fact 

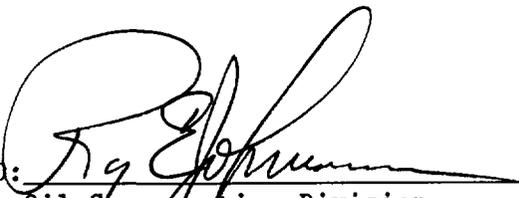
VLG:11
ID#313+1
Enclosures
Lindrith Unit, 3.0

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATE: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and
the Oil Conservation Division)

DATE: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATE: 3-5-92

The foregoing approvals for the 1992 Plan of Development for the Lindrith Unit, I, Sec. No. 713, Rio Arriba County, New Mexico.

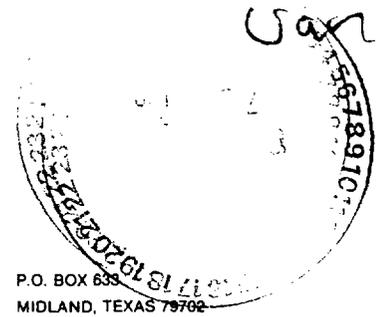
LINDRITH UNIT
WORKING INTEREST OWNERS

Apache Corporation

Conoco, Inc.

Mobil Producing Texas & NM

Mobil Exploration & Producing U.S. Inc.



January 28, 1992

El Paso Natural Gas Company
P.O. Box 4289
Farmington, NM 87499-4289

Attention: Kent Beers, Land Department

FIELD REVIEW 1991
PLAN OF DEVELOPMENT 1992
LINDRITH "B" UNIT
I. SECTION NO. 713
RIO ARRIBA COUNTY, NEW MEXICO
C-5021

Gentlemen:

Attached is the 1991 Review of Operations and proposed 1992 Plan of Development for the Lindrith "B" Unit.

As Unit Operator, El Paso Natural Gas Company is requested to submit this information to the agencies listed below for their review and approval.

Should you have any questions, please call me at (915) 688-2114.

Very truly yours,

MOBIL EXPLORATION & PRODUCING U.S. INC.
as Agent for
MOBIL PRODUCING TEXAS & NEW MEXICO INC.

A handwritten signature in cursive script, appearing to read "Glen D. Cox".

Glen D. Cox
Staff Landman
Midland North Area

GDC/tc

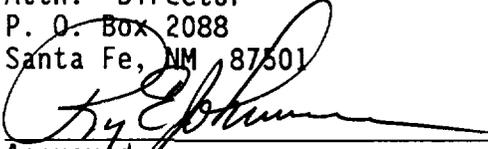
Mobil

EL PASO NATURAL GAS COMPANY
January 28, 1992
Page 2

New Mexico State Land Office
Attn: Commissioner of Public Lands
P. O. Box 148
Santa Fe, NM 87504

Approved
Date: _____

State Oil Conservation Division
Attn: Director
P. O. Box 2088
Santa Fe, NM 87501



Approved
Date: 3-5-92

Bureau of Land Management
Attn: Chief-Branch of Fluid Mins.
1235 La Plata Highway
Farmington, NM 87401

Approved
Date: _____

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1991

Mobil Operated - Status as of 12/31/91

<u>Well Status</u>	<u>Dakota</u>	<u>Gallup</u>	<u>Total</u>
Producing	47	5	52
Water Disposal			1

1991 Production

Oil, MBO	151	5	156
Gas, MMCF	997	128	1125

Cumulative Production

Oil, MBO	2091	233	2324
Gas, MMCF	14595	1586	16181

Production Plots

Attached is performance curve for the Lindrith "B" Unit Mobil Operated Wells through October 1991.

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

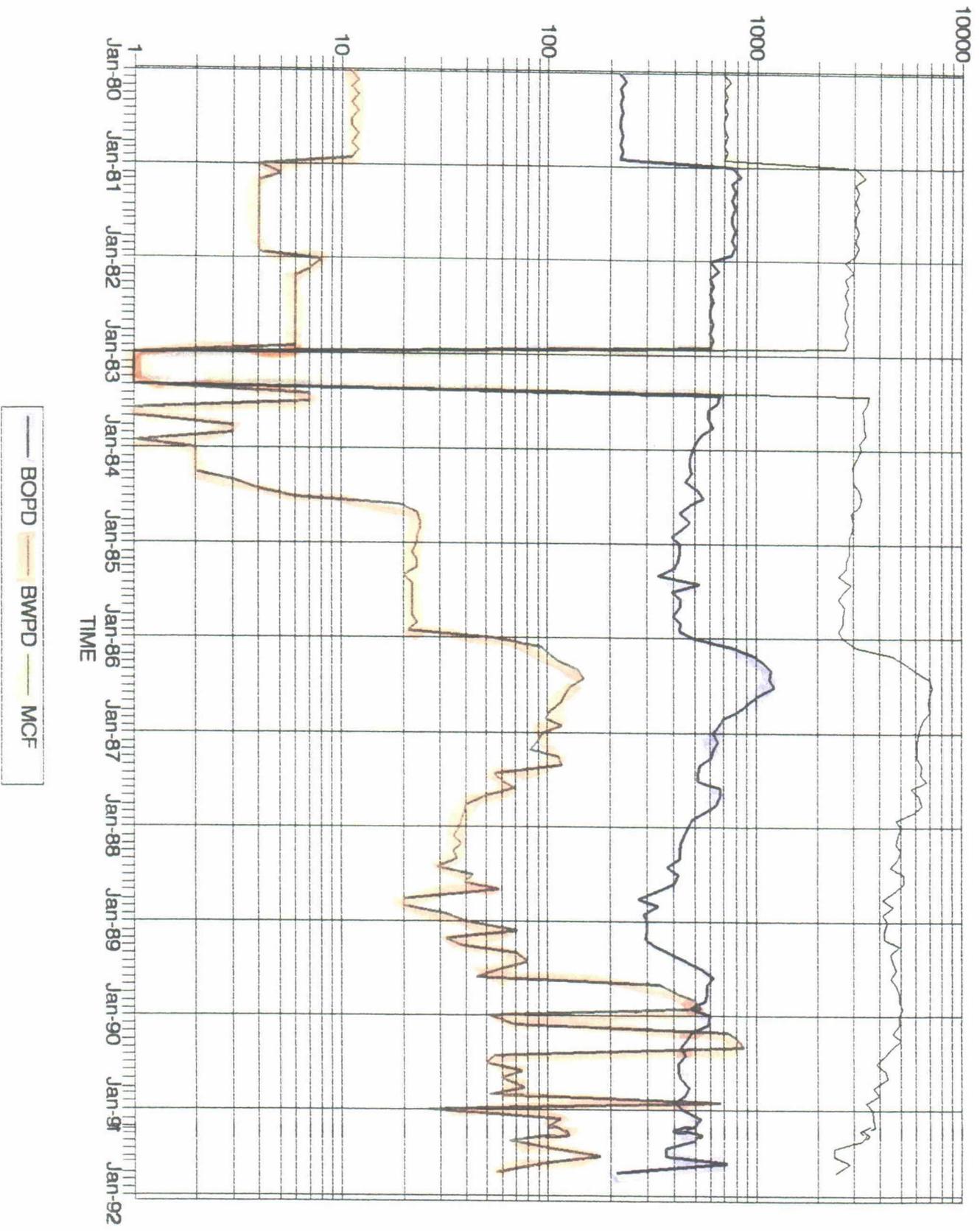
REVIEW OF OPERATIONS FOR 1991

Drilled Wells:

The Lindrith B Unit No. 78, located in the SW 1/4, S6-T24N-R2W, was drilled and completed on 7/25/91 with an initial potential of 394 BOPD, 148 MCFPD and 48 BWPD. It is currently producing at the field allowable rate of 382 BOPD. The Lindrith B Unit No. 79, located in NE 1/4, S7-24N-R2W was drilled and completed on 10/25/91 with an initial potential of 204 BOPD 250 MCFPD and 12 BW. It is currently producing at the field allowable rate of 382 BOPD. A third well, the Lindrith B-82, was planned and budgeted for 1991, but will be drilled in early 1992. In total, we plan to drill and complete five wells in the Dakota Sand in 1992.

PRODUCTION HISTORY LINDRITH B UNIT

OIL, WATER GAS PROD.; BOPD, BWPD & MCFPD



MONTHLY OPERATIONS REPORT

NOVEMBER 1991

LEASE 55499 - ALL SUBS
FIELD 04090100 - GAVILAN - MANCOS/GALLUP

PRODUCING WELL SUMMARY

PAGE 1

WELL NO	DAILY ALLOW	TEST DATE	TEST DATA					PRODUCTION DATA							
			OIL B/D	GAS MCF/D	WATER B/D	GOR CF/B	WT_CT PCT	BBL OIL	BBL GAS	BBL WATER	CUM OIL	CUM GAS	CUM WATER		
LEASE-5549900 LINDRITH B UT GALLUP NPA															
034		91/10/12	15.00	73.000	0.00	4866	0	0	0	1452	48	0	57115	252585	4276
037		91/10/12	3.00	283.000	0.00	4333	0	0	0	1591	53	0	87576	631909	7097
038		89/11/10	3.00	100.000	0.77	3333	20	0	0	1591	53	0	9547	163369	2948
073		91/06/03	2.00	68.000	0.00	4000	0	0	0	7908	264	0	5248	133935	2579
LEASE-5549901 LINDRITH B															
072		89/08/11	4.00	43.000	0.62	750	13	0	0	0	0	0	1944	39200	1475
074		90/12/10	0.00	5.000	0.00	0	0	0	0	1524	51	0	5016	238209	3124

MONTHLY OPERATIONS REPORT
LEASE 55499 - ALL SUBS
FIELD 04090100 - GAVILAN - MANCOS/GALLUP

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR	CUM
PRODUCTION														
OIL/COND - BBL	12	1099	449	456	483	416	423	406	429	0	0	0	4173	166446
GAS - MCF	14858	13327	9214	5335	5931	5648	7561	9558	14035	17726	14066	0	117259	1459207
WATER - BBL	7	33	12	31	1	0	0	14	17	0	0	0	115	21499
OIL/COND - B/D	0	39	14	15	15	13	13	13	14	0	0	0		
GAS - M/D	479	475	297	177	191	188	243	308	467	571	468	0		
WATER - B/D	0	1	0	1	0	0	0	0	0	0	0	0		
GOR - CF/BBL	38166	12126	20521	11699	12279	13576	17874	23541	32715					
CURRENT WELL STATUS SUMMARY														
PRODUCING WELLS	NOVEMBER 1991													
OIL ACTIVE	3													
OIL INACTIVE	3													
TOTAL WELLS	6													

THE FOLLOWING IS A LIST OF THE INPUT REQUESTS ON 92/01/17

DIV.	FIELD	ZONE	LEASE	SUB
7	04655	030	15295	
7	04090	100	55499	

WELL NO	DAILY ALLOW	TEST DATE	TEST DATA										PRODUCTION DATA									
			OIL B/D	GAS MCF/D	WATER B/D	GOR CF/B	WT CT PCT	BBL OIL	GAS MCF/D	WATER B/D	CUM OIL	CUM GAS	CUM WATER									
027	LEASE-5662200	LINDRITH B UT	3.00	431.000	10.00	3666	76	70	2	4284	143	260	9	23759	311239	9780						
078	LEASE-5662201	LINDRITH B	152.00	76.000	58.00	500	27	0	2077	69	0	0	0	9201	5286	3007						
012	LEASE-5662202	LINDRITH "B"	6.00	40.000	1.00	6666	14	95	1142	38	43	1	26534	213836	3390							
006	LEASE-5662203	LINDRITH B	5.00	90.000	2.00	8000	28	1	667	22	44	1	25399	281642	3943							
009	LEASE-5662204	LINDRITH B	2.00	31.000	0.00	5500	0	0	1022	34	0	0	12760	185328	1072							
019	LEASE-5662205	LINDRITH B	5.00	69.000	1.00	3800	16	2	648	22	36	1	17277	406909	6169							
020	LEASE-5662206	LINDRITH B	7.00	27.000	1.00	3857	12	2	942	31	36	1	17648	195804	6069							
004	LEASE-5662207	LINDRITH B	5.00	0.000	0.00	0	0	0	0	0	0	0	25819	41232	1506							
010	LEASE-5662208	LINDRITH B	6.00	15.000	1.00	2500	14	19	0	0	8	0	34240	49000	2592							
001	LEASE-5662209	LINDRITH B	2.00	10.000	0.00	5000	0	15	737	25	0	0	32154	240700	1241							
002	LEASE-5662210	LINDRITH B	0.00	54.000	0.00	0	0	0	0	0	0	0	27590	555932	1074							
003	LEASE-5662211	LINDRITH B	12.00	102.000	2.00	8500	14	0	0	0	0	0	91843	365569	3308							
005	LEASE-5662212	LINDRITH B	8.00	125.000	1.00	5625	11	58	2827	94	44	1	110659	572490	3038							
007	LEASE-5662213	LINDRITH B	12.00	68.000	1.00	5666	7	57	2764	92	43	1	43657	332857	3462							
008	LEASE-5662214	LINDRITH B	15.00	48.000	3.00	3200	16	114	5533	184	78	3	50690	364443	3509							
011	LEASE-5662215	LINDRITH B	12.00	61.000	1.00	5083	7	97	4706	157	16	1	67801	366456	3036							
013	LEASE-5662216	LINDRITH B	7.00	77.000	2.00	1000	22	56	2734	91	63	2	32170	356868	6587							
014	LEASE-5662217	LINDRITH B	10.00	76.000	2.00	7600	16	41	2006	67	13	0	87831	416186	2614							
015	LEASE-5662218	LINDRITH B	6.00	233.000	2.00	8833	25	14	702	23	18	1	143313	891810	8250							
016	LEASE-5662219	LINDRITH B	0.00	108.000	2.00	0	0	20	970	32	62	2	93891	586442	7990							
017	LEASE-5662220	LINDRITH B	2.00	49.000	0.00	4500	0	15	737	25	0	0	92411	388903	3080							
018	LEASE-5662221	LINDRITH B	7.00	54.000	3.00	7714	30	53	2583	86	78	3	33428	297139	7721							
021	LEASE-5662222	LINDRITH B	10.00	86.000	2.00	8600	16	61	2976	99	52	2	55155	339269	18703							
022	LEASE-5662223	LINDRITH B	7.00	204.000	1.00	9142	12	14	695	23	7	0	129922	587164	5175							
023	LEASE-5662224	LINDRITH B	5.00	221.000	0.00	4200	0	10	496	17	0	0	157422	1491020	4713							
024	LEASE-5662225	LINDRITH B	3.00	36.000	0.70	2000	18	16	798	27	3	0	26806	136231	1965							
026	LEASE-5662226	LINDRITH B	7.00	30.000	0.20	4285	2	47	2301	77	1	0	36017	92362	1508							
028	LEASE-5662227	LINDRITH B	3.00	55.000	0.80	8333	21	34	1669	56	33	1	19771	197878	5894							
029	LEASE-5662228	LINDRITH B	5.00	176.000	1.00	5200	16	10	496	17	7	0	27244	376283	5990							
030	LEASE-5662229	LINDRITH B	3.00	113.000	2.00	7666	40	23	1109	37	18	1	12814	289731	9353							
031	LEASE-5662230	LINDRITH B	2.00	119.000	1.00	9500	33	2	85	3	3	0	34226	437956	5205							
032	LEASE-5662231	LINDRITH B	10.00	127.000	4.00	2700	28	76	3687	123	95	3	20677	314620	7996							
033	LEASE-5662232	LINDRITH B	12.00	73.000	2.00	6083	14	78	889	30	84	3	11836	204587	11836							
040	LEASE-5662233	LINDRITH B	15.00	257.000	2.80	1833	40	57	2772	92	47	2	74561	601597	36377							
041	LEASE-5662234	LINDRITH B	6.00	71.000	3.00	727	21	65	3109	104	78	3	22165	225703	11140							
042	LEASE-5662235	LINDRITH B	1.00	118.000	2.00	7333	40	42	350	12	16	1	18669	207352	14263							
044	LEASE-5662236	LINDRITH B	3.00	172.000	2.00	2833	25	42	2005	67	52	2	36753	486140	7755							
045	LEASE-5662237	LINDRITH B	6.00	77.000	2.00	5200	16	23	1135	38	18	1	26592	300489	18603							
046	LEASE-5662238	LINDRITH B	10.00	152.000	2.00	5200	16	23	1135	38	18	1	36854	346729	8215							
025	LEASE-5662239	LINDRITH B	0.00	0.000	0.00	0	0	0	0	0	0	0	3550	26290	915							

MONTHLY OPERATIONS REPORT

NOVEMBER 1991

LEASE 56622 - ALL SUBS
FIELD 04655030 - LINDRITH W. - GALLUP/DAKOTA

PRODUCING WELL SUMMARY

PAGE 2

WELL NO	DAILY ALLOW	TEST DATE	TEST DATA						PRODUCTION DATA							
			OIL B/D	GAS MCF/D	WATER B/D	GOR CF/B	WT_PCT	BBL OIL B/D	GAS MCF/D	WATER B/D	CUM OIL	CUM GAS	CUM WATER			
035	LEASE-5662205	LINDRITH "B"	5.00	65.000	0.00	3000	0	129	4	0	0	0	0	16927	149895	3853
077	LEASE-5662206	LINDRITH "B"	149.00	91.000	18.00	610	10	0	0	0	0	0	0	34163	28186	4965

LEASE 56622 - ALL SUBS
FIELD 04655030 - LINDRITH W. - GALLUP/DAKOTA

PRODUCING WELL SUMMARY

WELL NO	DAILY ALLOW	TEST DATE	OIL B/D	GAS MCF/D	WATER B/D	GOR CF/B	WT_CT PCT	BBL B/D	OIL B/D	GAS MCF/D	GAS MCF/D	WATER BBL	WATER B/D	CUM OIL	CUM GAS	CUM WATER	TEST DATA		PRODUCTION DATA	
																	UT	DKTA	B	UT
027	LEASE-5662200	LINDRITH B	3.00	431.000	10.00	3666	76	70	2	4284	143	260	9	23759	311239	9780				
078	LEASE-5662201	LINDRITH B	152.00	76.000	58.00	500	27	0	0	2077	69	0	0	9201	5286	3007				
012	LEASE-5662202	LINDRITH "B"	6.00	40.000	1.00	6666	14	95	3	1142	38	43	1	26534	213836	3390				
006	LEASE-5662203	LINDRITH B	5.00	90.000	2.00	8000	28	1	0	667	22	44	1	25399	281642	3943				
009			2.00	31.000	0.00	5500	0	1	0	1022	34	0	0	12760	185328	1072				
019			5.00	69.000	1.00	3800	16	2	0	648	22	36	1	17277	406909	6169				
020			7.00	27.000	1.00	3857	12	2	0	942	31	36	1	17648	195804	6069				
004	LEASE-5662204	LINDRITH B	5.00	0.000	0.00	0	0	0	0	0	0	0	0	25819	41232	1506				
010			6.00	15.000	1.00	2500	14	19	1	0	0	8	0	34240	49000	2592				
001	LEASE-5662204	LINDRITH B	2.00	10.000	0.00	5000	0	15	1	737	25	0	0	32154	240700	1241				
002			0.00	54.000	0.00	0	0	0	0	0	0	0	0	27590	555932	1074				
003			12.00	102.000	2.00	8500	14	0	0	0	0	0	0	91843	365569	3308				
005			8.00	125.000	1.00	5625	11	58	2	2827	94	44	1	110659	572490	3038				
007			12.00	68.000	1.00	5666	7	57	2	2764	92	43	1	43657	332857	3462				
008			15.00	48.000	3.00	3200	16	114	4	5533	184	78	3	50690	364443	3509				
011			12.00	61.000	1.00	5083	7	97	2	4706	157	16	0	67801	366456	3036				
013			7.00	77.000	2.00	1000	22	56	3	2734	91	63	2	32170	356868	6587				
014			10.00	76.000	2.00	7600	16	41	1	2006	67	13	1	87831	416186	2614				
015			6.00	233.000	2.00	8833	25	14	0	702	23	18	0	143313	891810	8250				
016			0.00	108.000	0.00	0	0	20	1	970	32	62	0	93891	586442	7990				
017			2.00	49.000	0.00	4500	0	15	1	737	25	0	0	92411	388903	3080				
018			7.00	54.000	3.00	7714	30	53	2	2583	86	78	0	33428	297139	7721				
021			10.00	86.000	2.00	8600	16	61	2	2976	99	52	3	33428	339269	7721				
022			7.00	204.000	1.00	9142	12	14	0	695	23	7	0	129922	587164	5175				
023			5.00	221.000	0.00	4200	0	10	0	496	17	0	0	157422	1491020	4713				
024			3.00	36.000	0.70	2000	18	16	1	798	27	3	0	26806	136231	1965				
026			7.00	30.000	0.20	4285	2	47	2	2301	77	1	0	36017	92362	1508				
028			3.00	55.000	0.80	8333	21	34	1	1669	56	33	1	19771	197878	5894				
029			5.00	176.000	1.00	5200	16	10	0	496	17	7	0	12814	289731	5990				
030			3.00	113.000	1.00	7666	40	23	1	1109	37	18	1	27244	376283	5990				
031			2.00	119.000	1.00	9500	33	2	0	85	3	3	0	34226	437956	5205				
032			10.00	127.000	4.00	2700	28	76	3	3687	123	95	0	20677	204620	7996				
033			12.00	73.000	2.00	6083	14	78	3	3756	125	30	3	19715	204587	11836				
040			15.00	257.000	10.00	7133	40	18	1	889	30	84	1	74561	601597	36377				
041			6.00	71.000	2.80	1833	31	57	2	2772	92	47	2	22165	225703	11140				
042			11.00	118.000	3.00	727	21	65	0	3109	104	78	3	18669	207352	14263				
044			3.00	172.000	2.00	7333	40	7	0	350	12	16	1	36753	486140	7755				
045			6.00	77.000	2.00	2833	25	42	1	2005	67	52	2	26592	300489	18603				
046			10.00	152.000	2.00	5200	16	23	1	1135	38	18	1	36854	346729	8215				
025	LEASE-5662205	LINDRITH "B"	0.00	0.000	0.00	0	0	0	0	0	0	0	0	3550	26290	915				
035			5.00	65.000	0.00	3000	0	129	4	0	0	0	0	16927	149895	3853				

MONTHLY OPERATIONS REPORT

LEASE 56622 - ALL SUBS
FIELD 04655030 - LINDRITH W. - GALLUP/DAKOTA

PRODUCING WELL SUMMARY PAGE 2

WELL NO	DAILY ALLOW	TEST DATE	TEST DATA					PRODUCTION DATA							
			OIL B/D	GAS MCF/D	WATER B/D	GOR CF/B	WT_CT PCT	BBL OIL B/D	GAS MCF/D	WATER BBL B/D	CUM OIL	CUM GAS	CUM WATER		
077	LEASE-5662206 LINDRITH "B"	91/08/10	149.00	91.000	18.00	610	10	0	0	0	0	0	34163	28186	4965

MONTHLY OPERATIONS REPORT
LEASE 56622 - ALL SUBS
FIELD 04655030 - LINDRITH W. - GALLUP/DAKOTA

INJECTION TYPE	WELL NUMBER	INJECTION MONTH	VOLUME DAILY	INJ PRESS	YEARLY INJ	CUM INJ
LEASE-5662205 LINDRITH "B" UNIT H2O DISPOSAL	025	0	0	1100	0	88843

MONTHLY OPERATIONS REPORT
LEASE 56622 - ALL SUBS
FIELD 04655030 - LINDRITH W. - GALLUP/DAKOTA

INJECTION TYPE	WELL NUMBER	INJECTION MONTH	VOLUME DAILY	INJ PRESS	YEARLY INJ	CUM INJ
LEASE-5662205 LINDRITH "B" UNIT H2O DISPOSAL	025	0	0	1100	0	88843

PDF048R

THE FOLLOWING IS A LIST OF THE INPUT REQUESTS ON 92/01/17

<u>DIV.</u>	<u>FIELD</u>	<u>ZONE</u>	<u>LEASE</u>	<u>SUB</u>
7	04655	030	56622	
7	04655	030	56622	

MONTHLY OPERATIONS REPORT

NOVEMBER 1991

LEASE 15295 - ALL SUBS
FIELD 04655030 - LINDRITH W. - GALLUP/DAKOTA

PRODUCING WELL SUMMARY

PAGE 1

WELL NO	DAILY ALLOW	TEST DATE	TEST DATA					PRODUCTION DATA									
			OIL B/D	GAS MCF/D	WATER B/D	GOR CF/B	WT CT PCT	OIL B/D	GAS MCF/D	WATER B/D	CUM OIL	CUM GAS	CUM WATER				
076	LEASE-1529500	LINDRITH B	UNIT #76	91/07/10	107.00	80.000	9.00	747	7	0	0	0	0	0	28738	38614	3428

MONTHLY OPERATIONS REPORT

NOVEMBER 1991

LEASE 15259 - ALL SUBS
FIELD 04655030 - LINDRITH W. - GALLUP/DAKOTA

PRODUCING WELL SUMMARY PAGE 1

WELL NO	DAILY ALLOW	TEST DATE	TEST DATA					PRODUCTION DATA									
			OIL B/D	GAS MCF/D	WATER B/D	GOR CF/B	WT_CT PCT	OIL BBL	GAS MCF/D	WATER BBL	CUM OIL	CUM GAS	CUM WATER				
075	LEASE-1525900	LINDRITH B	91/09/14	111.00	132.000	6.00	1189	5	746	25	2066	69	54	2	193775	193454	6971

THE FOLLOWING IS A LIST OF THE INPUT REQUESTS ON 92/01/17

<u>DIV.</u>	<u>FIELD</u>	<u>ZONE</u>	<u>LEASE</u>	<u>SUB</u>
7	04655	030	15259	



JIM BACA
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

February 5, 1992

Mobil Producing Texas & NM Inc.
P. O. Box 633
Midland, Texas 79702

Attn: Mr. Tom Parker

Re: Lindrith B Unit
Rio Arriba County, New Mexico
Fifth Revision of Dakota Participating Area
Lindrith B Well No. 27 SW/4SW/4 10-24N-3W

Dear Mr. Parker:

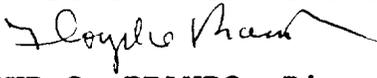
The Bureau of Land Management has advised this office that the above captioned well has been determined non-commercial and therefore not entitled to receive a participating area.

Please be advised that the Commissioner of Public Lands concurs with the Bureau of Land Management's determination that the Lindrith B No. 27 Well is non-commercial and production should be reported on a lease basis.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: 

FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744

JB/FOP/pm

encls.

cc: Reader File
BLM
OCD
TRD



United States Department of the Interior

NEW MEXICO CONSERVATION DIVISION

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401



MAY 23 11 50 AM '91

IN REPLY REFER TO:

Lindrith B Unit (PA)
3180 (019)

Mobil Exploration & Producing U.S. Inc.
P. O. Box 633
Midland, TX 79702

MAY 24 1991

Gentlemen:

We have reviewed your request for the fifth revision of the Lindrith B Unit, Dakota Formation.

Your request was based upon the drilling and completion of Lindrith B No. 27, SW/4SW/4 sec. 10, T. 24 N., R. 3 W..

Utilizing economic data supplied in your request and production history obtained from "Dwights", a comprehensive economic study was conducted. Completed well costs and average product prices included in your application were considered reasonable for the time frame in which the well was drilled. Economics were discounted based on the "Re-negotiated Board Rate" of interest in effect when the well was drilled. The conclusion of the economic study was that the Lindrith B No. 27 well will not pay out. Since a paying well determination is one of the principal factors, your request for the referenced fifth revision is denied. You may re-submit for approval if an economical well is drilled and completed in the affected acreage in the future. Production from the Lindrith B No. 27 is to be reported on a lease basis.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 1449, Santa Fe, New Mexico 87504-1449. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 et. seq.

If you have any questions, please contact Ray Hager at (505) 327-5344 of this office.

Sincerely,

/s/ John L. Keller

Ron Fellows
Area Manager

FOR

cc:
New Mexico Oil Conservation Division
Commissioner of Public Lands

RESIGNATION OF UNIT OPERATOR AND
DESIGNATION OF SUCCESSOR UNIT OPERATOR

Lindrith Unit Area
County of Rio Arriba, State of New Mexico
No. I. Sec. No. 713

THIS INDENTURE, dated as of the 29th day of April, 1991, by and between El Paso Natural Gas Company, operator and owner of unitized working interest, (hereinafter called "EPNG") and Meridian Oil Inc., successor operator and owner of unitized working interest, (hereinafter called "Meridian").

W I T N E S S E T H:

WHEREAS, under the provisions of the Act of February 25, 1920, 41 Stat. 437, 30 U.S.C. §§181, et seq., as amended by the Act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior, on the 3rd day of April, 1950, approved the Unit Agreement for the Development and Operation of the Lindrith Unit Area, wherein EPNG is designated as Unit Operator; and

WHEREAS, under the provisions of an Act of Legislature (§1, Chap. 162, Laws of 1951, and §§ 1 and 2, Chap. 176, Laws of 1961, Sec. Chap.7, Article 11, §§39, 40 and 41, New Mexico Statutes 1953 Annotated) (Now being Chap. 29, Article 10, §§ 45, 46 and 47 New Mexico Statutes Annotated 1978 Com.) the Commissioner of Public Lands on the 10th day of December, 1948, approved a Unit Agreement for the Development and Operation of the Lindrith Unit Area, wherein EPNG is designated as Unit Operator; and

WHEREAS, EPNG has resigned as Unit Operator, and the designation of a successor Unit Operator is now required pursuant to the terms thereof; and

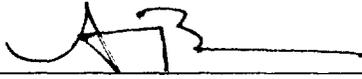
WHEREAS, in accordance with the terms and provisions of the Unit Agreement for the Development and Operation of the Lindrith Unit Area, EPNG has procured the necessary consent from working interest owners and regulatory agencies, and Meridian has procured the necessary consent from said owners to replace EPNG as Operator of the Lindrith Unit.

NOW, THEREFORE, effective May 1, 1991, EPNG hereby resigns as Unit Operator under the Unit Agreement for the Development and Operation of the Lindrith Unit Area and Meridian hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator and pursuant to all the terms of the Unit Agreement for the Development and Operation of the Lindrith Unit Area, and EPNG covenants and agrees that, upon approval of this indenture by the Authorized Officer in the proper BLM office and the Commissioner of Public Lands, Meridian shall be granted the exclusive right

and privilege of exercising any and all rights and privileges as Unit Operator, pursuant to the terms and conditions of said Unit Agreement; and said Unit Agreement being hereby incorporated by references and made a part hereof as fully and effectively as though said Unit Agreement were expressly set forth in this instrument.

IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the date hereinabove set forth.

Unit Operator and Working Interest Owner
El Paso Natural Gas Company

By: 

Kent Beers
Attorney-in-fact

Successor Unit Operator and Working
Interest Owner, Meridian Oil Inc.

By: 

Kent Beers
Attorney-in-Fact

ACKNOWLEDGMENTS

STATE OF NEW MEXICO)
) ss.
COUNTY OF SAN JUAN)

The foregoing instrument was acknowledged before me this 29th day of April, 1991, by Kent Beers, as Attorney-in-fact on behalf of El Paso Natural Gas Company.

Kathlene A. Webb
Notary Public

My commission expires:

November 8, 1994

STATE OF NEW MEXICO)
) ss.
COUNTY OF SAN JUAN)

The foregoing instrument was acknowledged before me this 29th day of April, 1991, by Kent Beers, as Attorney-in-fact on behalf of Meridian Oil Inc.

Kathlene A. Webb
Notary Public

My commission expires:

November 8, 1994

RESIGNATION OF UNIT OPERATOR AND DESIGNATION OF SUCCESSOR UNIT OPERATOR
LINDRITH UNIT AREA.

#159



P.O. BOX 4289
FARMINGTON, NEW MEXICO 87499
PHONE: 505-326-9700

February 26, 1991

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501

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

RE: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1991 Plan of Development

Gentlemen:

By letters dated February 28, 1990 and October 24, 1990, El Paso Natural Gas Company, as Unit Operator, for the referenced unit, filed the Plan of Development for the calendar year 1990. These programs provided for the recompletion of seventeen (17) Pictured Cliffs wells in the Fruitland Coal. Out of the seventeen (17) recompletions four (4) wells were recompleted in the Fruitland Coal and the remaining thirteen (13) proposed wells have been dropped, the four (4) Fruitland Coal recompletions performed and being evaluated at this time are the Lindrith Unit #15, #24, NP #27, and #54.

As of this date, the total number of wells in the Lindrith Unit is as follows:

Fruitland Coal Recompletions (Being evaluated at this time)	4
Pictured Cliffs, Commercial	93
Pictured Cliffs, Non-Commercial	5
Pictured Cliffs, Being Evaluated	8
Pictured Cliffs, Plugged & Abandoned	<u>9</u>
	119

Regulatory Agencies
1991 Plan of Development
Lindrith Unit
Page 2

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Unit Operator, and Mobil Exploration & Producing U.S. Inc., as Sub-Operator, hereby submits no wells for the 1991 Plan of Development.

Meridian is at this time evaluating the four (4) Fruitland Coal Recompletion wells drilled under last years drilling program and may amend the 1991 Drilling Program at a later date upon completion of said evaluation.

Mobil has provided the attached 1990 Summary of Activity for the Lindrith "B" Unit for your files.

El Paso Natural Gas Company has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of no wells during the calendar year 1991.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

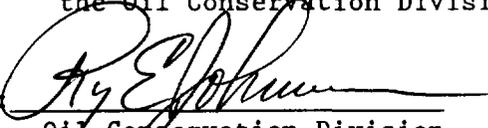


Kent Beers
Attorney-in-Fact *KB*

KB:VLG:kaw
Enclosures
Lindrith Unit

APPROVED: _____ DATE: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

APPROVED: _____ DATE: _____
Commission of Public Lands
(Subject to like approval by the
Bureau of Land Management and
the Oil Conservation Division)

APPROVED  _____ DATE: _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals for the 1991 Drilling Program for the Lindrith
Unit, I Sec. No. 713, Rio Arriba County, New Mexico

LINDRITH UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Conoco Inc.

Freeport-McMoran Oil & Gas Co.

Mobil Producing Texas & NM, Inc.

RECEIVED
PL
Mobil Exploration & Producing U.S. Inc.

91 FEB 20 AM 10:50
February 15, 1991
019 FARMINGTON, N.M.

United States Department of the Interior
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

P.O. BOX 633
MIDLAND, TEXAS 79702
MIDLAND DIVISION

ADDITIONAL INFORMATION
~~APPLICATION TO DRILL~~
~~LINDRITH B UNIT~~
~~WELL NO. 78~~
UNDESIGNATED DAKOTA FIELD
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Enclosed is the additional information you requested on the subject application. In addition, please find a copy of the certified mail receipt illustrating the delivery of the application to the offset operator.

Please call Ann Moore at (915) 688-1772 if any further information is needed.

Yours very truly,



D. P. Klancher
Environmental & Regulatory/
LP Supervisor

Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

CAMoore

attachments

cc: Oil Conservation Division - Aztec
Oil Conservation Division - Santa Fe

APPROVED

APR 30 1991

AREA MANAGER

A:M104528.CAM

RECEIVED
Mobil Exploration & Producing U.S. Inc.

*Sent 2/13/91
-copies to all func.
Supervisors
- J. FAZ*

91 FEB 20 AM 10: 51

Q19 FARMINGTON, N.M. February 7, 1991

El Paso Natural Gas Company
P. O. Box 4289
Farmington, NM 87499-4289

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

Attention: Kent Beers, Land Department

C-5021

FIELD REVIEW 1990
PLAN OF DEVELOPMENT 1991
LINDRITH B UNIT
I. SECTION NO. 713
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Attached is the 1990 Summary of Activity and proposed Plan of Development for the Lindrith B Unit.

As Unit Operator, El Paso Natural Gas Company is requested to submit this information to the agencies listed below for their review and approval.

Should you have any questions, please direct them to G. D. Cox at (915) 688-2114.

Very truly yours,

MOBIL EXPLORATION & PRODUCING U.S. INC.
as Agent for
MOBIL PRODUCING TEXAS & NEW MEXICO INC.

G.D. Cox
Glen D. Cox
Senior Landman
Hobbs Area

GDC/tc

State Lands Office
P. O. Box 148
Santa Fe, NM 87504
Attn: Commission of Public Lands

Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attn: Chief-Branch of Fluid Min.

APPROVED

APPROVED

State Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501
Attn: Director

APPROVED

M103743C.GDC

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1990

Mobil Operated - Status as of 12/31/90

<u>Well Status</u>	<u>Dakota</u>	<u>Gallup</u>	<u>Total</u>
Producing	53	5	58
Water Disposal			1

1990 Production

Oil, MBO	188	50	238
Gas, MMCF	1604	302	1906

Cumulative Production

Oil, MBO	1940	228	2168
Gas, MMCF	13598	1458	15056

Production Plots

Attached are performance curves for the Lindrith Unit Mobil Operated Wells through 1990. Gavilan (Gavilan-Mancos Pool) and Dakota (West Lindrith Gallup/Dakota Pool) are reported separately.

Operations Review

Drilled Wells:

The Lindrith 3 Unit No. 76, located in the NE 1/4, S1-T24N-R3W, was drilled and completed on 5/29/90 with an initial potential of 55 BOPD, 92 MCFPD and 1 BWPD in the Dakota "D" sandstone. Since completion, the well has produced a total of 12 MBO, 9.9 MMCF and 96 BW.

Miscellaneous:

No workovers, conversions or abandonments were performed in the unit in 1990.

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1990

Drilled Wells:

The Lindrith B Unit No. 77, located in the SW 1/4, S1-T25N-R3W, was drilled and completed on 1/1/91 with an initial potential of 124 BOPD, 74 MCFPD and 21 BWPD in the Dakota "D" sandstone. Two additional wells, the Lindrith B Unit No. 78 and No. 79 are currently budgeted and scheduled to be spudded in April and August, respectively. A third well, the Lindrith B Unit No. 80 has also been budgeted this year, but is not scheduled yet contingent on results from the previous wells.

VAN

Mobil Exploration & Producing U.S. Inc.



February 7, 1991

El Paso Natural Gas Company
P. O. Box 4289
Farmington, NM 87499-4289

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

Attention: Kent Beers, Land Department

**FIELD REVIEW 1990
PLAN OF DEVELOPMENT 1991
LINDRITH B UNIT
I. SECTION NO. 713
RIO ARRIBA COUNTY, NEW MEXICO**

Gentlemen:

Attached is the 1990 Summary of Activity and proposed Plan of Development for the Lindrith B Unit.

As Unit Operator, El Paso Natural Gas Company is requested to submit this information to the agencies listed below for their review and approval.

Should you have any questions, please direct them to G. D. Cox at (915) 688-2114.

Very truly yours,

MOBIL EXPLORATION & PRODUCING U.S. INC.
as Agent for
MOBIL PRODUCING TEXAS & NEW MEXICO INC.

Glen D. Cox
Glen D. Cox
Senior Landman
Hobbs Area

GDC/tc

State Lands Office
P. O. Box 148
Santa Fe, NM 87504
Attn: Commission of Public Lands

Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attn: Chief-Branch of Fluid Min.

APPROVED

APPROVED

State Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501
Attn: Director

APPROVED

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1990

Mobil Operated - Status as of 12/31/90

<u>Well Status</u>	<u>Dakota</u>	<u>Gallup</u>	<u>Total</u>
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Water Disposal			1

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Cumulative Production

Oil, MBO	1940	228	2168
Gas, MMCF	13598	1458	15056

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Miscellaneous:

No workovers, conversions or abandonments were performed in the unit in 1990.

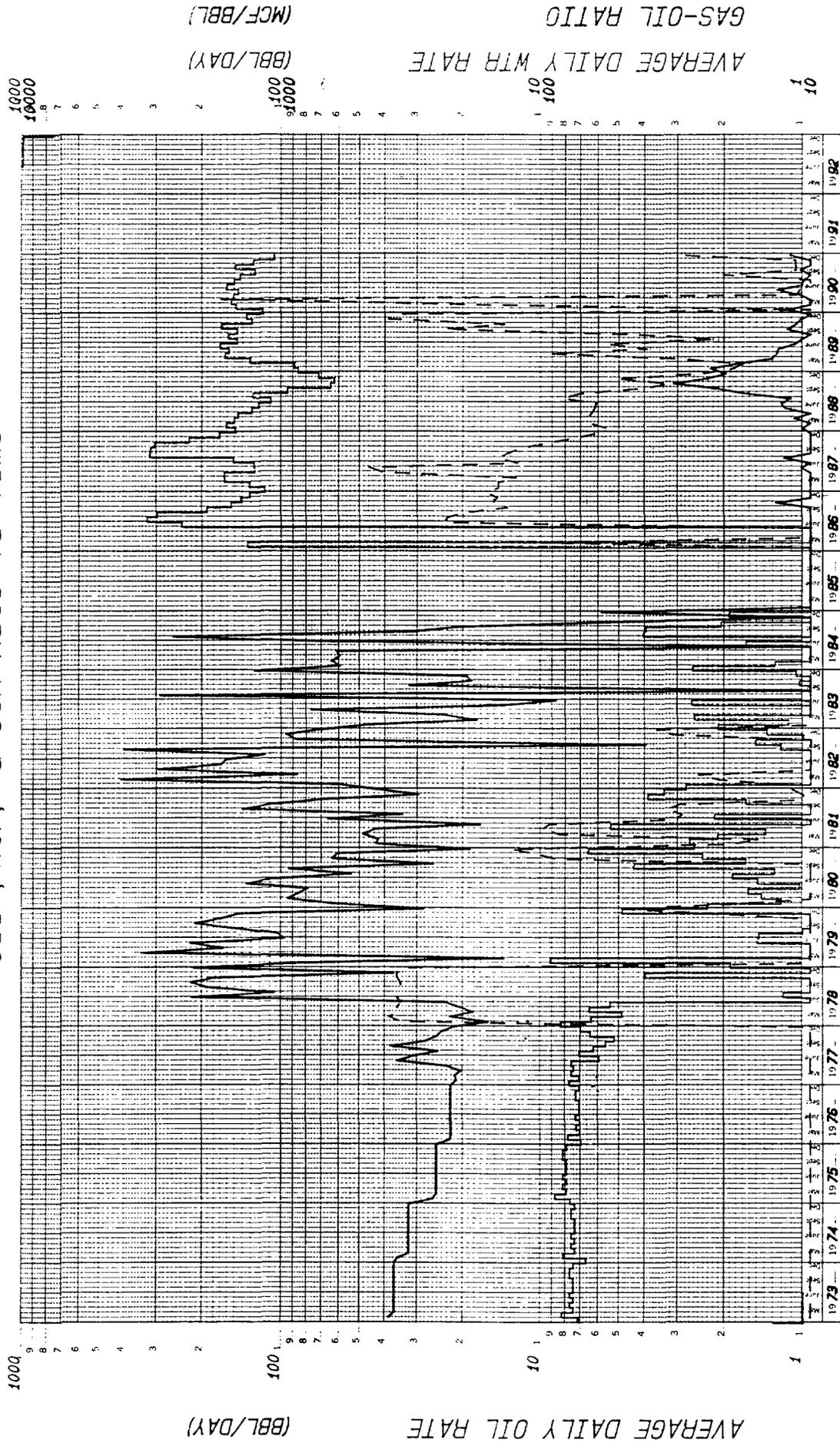
LINDRITH B. UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1990

Drilled Wells:

The Lindrith B Unit No. 77, located in the SW 1/4, S1-T25N-R3W, was drilled and completed on 1/1/91 with an initial potential of 124 BOPD, 74 MCFPD and 21 BWPD in the Dakota "D" sandstone. Two additional wells, the Lindrith B Unit No. 78 and No. 79 are currently budgeted and scheduled to be spudded in April and August, respectively. A third well, the Lindrith B Unit No. 80 has also been budgeted this year, but is not scheduled yet contingent on results from the previous wells.

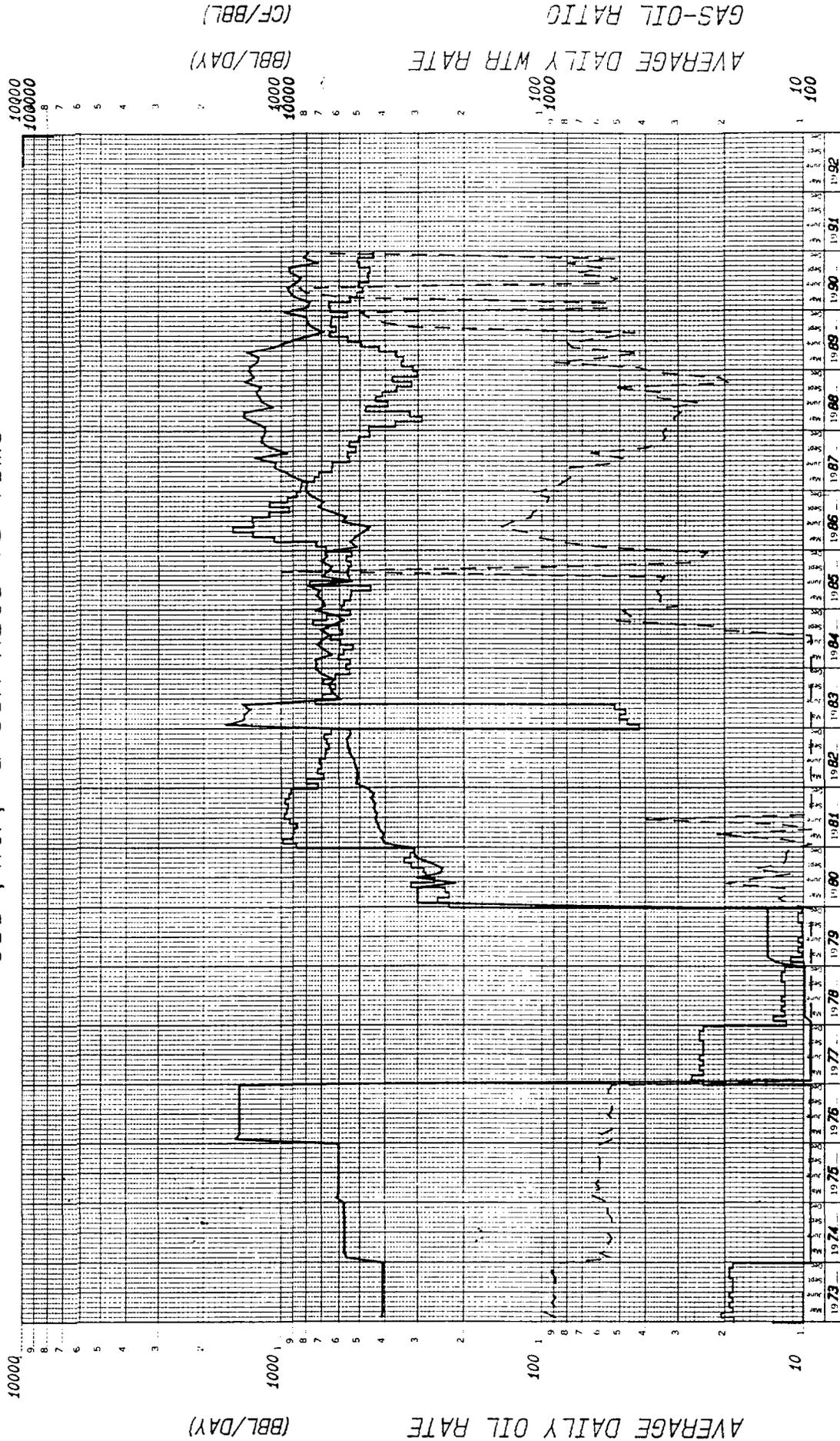
Oil, Wtr, & GOR Rate vs Time



LEGEND	
OIL	—
GOR	- - -
WTR	...

Mobil Expl & Prod U.S.	
Midland Division	
Field	GAVLAN-MANGOS
Lease	LINCRITH B UNIT
Operator	HEPUS
County	RIO ARriba
Location	00000000
Current Date	02-03-91
Well	TOTAL

Oil, Wtr, & GOR Rate vs Time



LEGEND	
OIL	—
GOR	—
WTR	—

Mobil Expl & Prod U.S.
 Midland Division

Field WEST LINDRITH GALLUP/DAKOTA
 Lease LINDRITH B UNIT
 Operator HEPUS
 County RIO ARriba State
 Location 00000000

Current Date 02-03-91 Well TOTAL

PJF048R
DENVER - LOS

MONTHLY OPERATIONS REPORT
ALL LEASES
FIELD 04090100 - GAVILAN - MANCOS/GALLUP

OPERATIONS SUMMARY
DECEMBER 1990
PAGE 1

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR	CUM
PRODUCTION														
OIL/COND - BBL	3662	4174	4826	4585	3677	4830	4679	4437	3875	4476	3661	3107	49989	239419
GAS - MCF	25763	22702	22785	35998	22162	24723	27056	26291	24876	25065	23547	21572	302540	1567231
WATER - BBL	3	458	5299	28	32	9	0	63	33	32	32	90	6079	21708
OIL/COND - B/D	118	149	155	152	118	161	150	143	129	144	122	100		
GAS - M/D	831	810	734	1199	714	824	872	848	829	808	785	695		
WATER - B/D	0	16	170	0	1	0	0	2	1	1	1	2		
GOR - CF/BBL	7035	5438	4721	7851	6027	5118	5782	5925	6419	5599	6431	6943		
CURRENT WELL STATUS SUMMARY														
PRODUCING WELLS	DECEMBER 1990													
OIL ACTIVE	5													
OIL INACTIVE	2													
TOTAL WELLS	7													

MONTHLY OPERATIONS REPORT
ALL LEASES
FIELD 04655030 - LINDRITH W. - GALLUP/DAKOTA

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR	CUM
DAILY ALLOWABLE	0	0	0	0	0	0	0	0	0	0	0	0	0	4164
PRODUCTION														
OIL/COND - BBL	20162	18343	16878	15346	15080	15186	14310	14423	14125	15175	15311	13728	188067	2637344
GAS - MCF	159959	143095	151120	142713	142754	132673	119963	133391	132498	110474	126434	109111	1604185	17572868
WATER - BBL	1682	1527	17297	24208	26638	1684	1590	2317	1805	2390	1580	20976	103694	992723
OIL/COND - B/D	650	655	544	511	486	506	461	464	470	489	510	442		
GAS - M/D	5159	5110	4874	4757	4604	4422	3869	4303	4416	3563	4214	3519		
WATER - B/D	54	54	558	807	859	56	51	74	60	76	52	676		
GOR - CF/BBL	7933	7801	8953	9299	9466	8736	8383	9248	9380	7280	8257	7948		
SERVICE														
WTR DISP - BBL	0	1900	22510	24207	26624	1644	1547	1345	1773	2381	1521	0	85452	149885
WTR DISP - B/D	0	67	726	806	858	54	49	43	59	76	50	0		

CURRENT WELL STATUS SUMMARY
DECEMBER 1990

PRODUCING WELLS	DECEMBER 1990
OIL ACTIVE	51
GAS ACTIVE	2
SERVICE WELLS	1
WTR DISP INACTIVE	1

TOTAL WELLS 54

MONTHLY OPERATIONS REPORT
 ALL LEASES
 FIELD 04655030 - LINDRITH W. - GALLUP/DAKOTA

INJECTION TYPE	WELL NUMBER	INJECTION MONTH	VOLUME DAILY	INJ PRESS	YEARLY INJ	CUM INJ
LEASE-5190100 LINDRITH "B" H2O DISPOSAL	025	0	0	640	61042	61042
LEASE-5662205 LINDRITH "B" H2O DISPOSAL	025	0	0	1100	24410	88843



3 AM 9 13
United States Department of the Interior

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401



IN REPLY REFER TO:

Lindrith Unit I (POD)
3183.6 (019)

NOV. 30 1990

El Paso Natural Gas Co.
P. O. Box 4990
Farmington, NM 87499

Re: Lindrith Unit I
1st Supplement, 1990 POD

Gentlemen:

Enclosed is an approved copy of your First Supplement to the 1990 Plan of Development for the Lindrith Unit I. Your 1991 POD is due March 1, 1991.

Please call Duane Spencer at (505) 327-5344 if you have any questions concerning this matter.

Sincerely,

/s/ John L. Keller

John L. Keller
Chief, Branch of Mineral Resources

cc:

~~New Mexico Oil Conservation Division~~, 310 Old Santa Fe Trail, Room 206,
Santa Fe, NM 87503 w/o encl.
State of New Mexico, Commissioner of Public Lands, P. O. Box 1148,
Santa Fe, NM 87504 w/o encl.

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

October 29, 1990

El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

Attn: Kent Beers:

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
First Amendment to 1990 Plan of Development

Dear Mr Beers:

The Commissioner of Public Lands this date approved the First Amendment to the 1990 Plan of Development for the Lindrith Unit. Our approval is subject to like approval by all other appropriate agencies.

The possibility exist that there may be drainage of unitized substances outside of the unit area and you may be required to drill other wells as deemed necessary to protect the interest of the State of New Mexico and other interest owners.

If we may be of further help please call Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
Floyd O. Prando, Director
Oil, Gas & Minerals Division

WR/FOP/CL/dm

cc: OCD - Santa Fe
BLM - North
Unit POD File
Unit Correspondence File



OIL CONSERVATION DIVISION
 RE: 750
 '90 OCT 29 AM 9 57

P. O. BOX 4990
 FARMINGTON, NEW MEXICO 87499
 PHONE 505-325-2841

October 24, 1990

BUREAU OF LAND MANAGEMENT
 1235 La Plata Highway
 Farmington, New Mexico 87401

COMMISSIONER OF PUBLIC LANDS
 State of New Mexico
 Post Office Box 1148
 Santa Fe, New Mexico 87504-1148

OIL CONSERVATION DIVISION
 STATE OF NEW MEXICO
 Post Office Box 2088
 Santa Fe, New Mexico 87504

RE: Lindrith Unit, I Sec. No. 713
 Rio Arriba County, New Mexico
 First Amendment to 1990
 Plan of Development

Gentlemen:

By letter dated February 28, 1990, El Paso Natural Gas Company, as Unit Operator, for the referenced unit, filed the Plan of Development for the calendar year 1990. This program provided for a no well Drilling Program.

Subsequent to the submittal of said letter, seventeen (17) Fruitland Coal Recompletions have been proposed under the 1990 Drilling Program. The wells proposed are existing Pictured Cliffs wells which will be plugged back and recompleted in the Fruitland Coal. The wells proposed are as follows:

<u>WELL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
Lindrith Unit NP #4	N/2 Sec. 3-24N-3W	Recomplete Fruitland Coal
Lindrith Unit #7	W/2 Sec. 21-24N-2W	Recomplete Fruitland Coal
Lindrith Unit NP #12	E/2 Sec. 22-24N-3W	" " "
Lindrith Unit #15	E/2 Sec. 16-24N-3W	" " "
Lindrith Unit #24	E/2 Sec. 11-24N-3W	" " "
Lindrith Unit NP #27	W/2 Sec. 8-24N-2W	" " "
Lindrith Unit NP #38	E/2 Sec. 26-24N-3W	" " "
Lindrith Unit #54	W/2 Sec. 31-24N-2W	" " "
Lindrith Unit NP #62	W/2 Sec. 10-24W-3W	" " "
Lindrith Unit NP #68	N/2 Sec. 7-24N-2W	" " "
Lindrith Unit NP #69R	W/2 Sec. 23-24N-3W	" " "
Lindrith Unit NP #108	W/2 Sec. 22-24N-2W	" " "
Lindrith Unit NP #112	E/2 Sec. 26-24N-3W	" " "
Lindrith Unit NP #113	W/2 Sec. 36-24N-3W	" " "
Lindrith Unit NP #114	S/2 Sec. 7-24N-2W	" " "
Lindrith Unit NP #115	W/2 Sec. 28-24N-3W	" " "
Lindrith Unit NP #116	W/2 Sec. 26-24N-3W	" " "

October 24, 1990
Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
Re: Lindrith Unit, I Sec. No. 713
Page 2

Please note that we show two (2) recompletion candidates in the E/2 of section 26, T24N, R3W. This is to provide us with an optional well bore for a recompletion attempt.

El Paso natural Gas Company has contacted all of the working interest owners and has received the necessary concurrence to propose the First Amendment for the calendar year 1990.

El Paso Natural Gas company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Kent Beers
Attorney-in-Fact



KB:VLG:kaw
Enclosures
Lindrith Unit, 3.0
cc: Jay Knaebel

LINDRITH UNIT
WORKING INTEREST OWNERS

Amoco Production Company

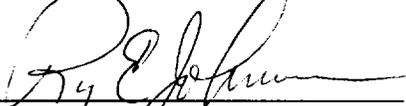
Conoco Inc.

FMP Operating Co.

Mobil Exploration and Producing

APPROVED: _____ DATE: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

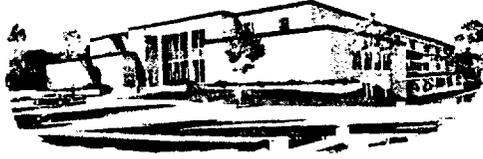
APPROVED: _____ DATE: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and
the Oil Conservation Division)

APPROVED:  _____ DATE: 10-31-90
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals for the First Amendment to the 1990 Plan of Development for the Lindrith Unit, I Sec. No. 713, Rio Arriba County, New Mexico.

State of New Mexico

#159



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

October 5, 1990

El Paso Natural Gas Company
3535 East 30th Street
P.O. Box 4289
Farmington, NM 87499-4289

Attn: Kent Beers

Re: Lindrith Unit
Rio Arriba County, New Mexico
1990 Plan of Development

Dear Mr. Beers:

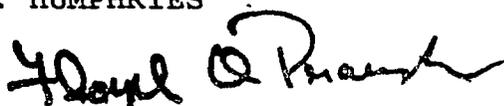
The Commissioner of Public Lands this date approved the 1990 Plan of Development for the Lindrith Unit. Our approval is subject to like approval by all other appropriate agencies. Please forward to this office current copies of both Exhibits A & B.

The possibility of drainage by wells outside of the Unit Area and the need for further development may exist. You will be contacted at a later date regarding these possibilities.

If we may be of further help, please do not hesitate to contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES

BY: 
Floyd O. Prando, Director
Oil, Gas & Minerals Division

cc: OCD
Unit Corresp.
Unit POD

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED

'90 OCT 9 AM 9 09

September 26, 1990

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501

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

Re: Lindrith Unit I Sec. No. 713
Rio Arriba County, New Mexico
1990 DRILLING PROGRAM APPROVAL

Gentlemen:

The 1990 Drilling Program for the Lindrith Unit has been approved by the regulatory agencies as follows:

Bureau of Land Management
Commission of Public Lands
Oil Conservation Commission

1990
Program
3-23-90
No Response to date
3-12-90

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,


Van L. Goebel
Senior Landman

VG:kaw
Attachment
Lindrith Unit
1+80

Mobil Exploration & Producing U.S. Inc.

OK
8-17-90

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

August 13, 1990

APPLICATION FOR APPROVAL OF THE FIFTH REVISION OF THE PARTICIPATING AREA FOR THE DAKOTA FORMATION LINDRITH UNIT AREA RIO ARriba COUNTY, NEW MEXICO

Bureau of Land Management
Attention: Mr. John Keller
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Oil Conservation Division
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Gentlemen:

Mobil Exploration & Producing U.S. Inc., as Agent for Mobil Producing Texas & New Mexico Inc., as Sub-Operator for the Lindrith Unit, pursuant to the provisions of Section 10 of the Lindrith Unit Agreement, respectfully submits for your approval the selection of the following described lands to constitute the fifth (5th) revision to the participating area for the Dakota Formation, to-wit:

T-24-N, R-3-W, N.M.P.M.
Section 10: SW/4

containing 160.00 acres, more or less.

In support of this application, the following numbered items are attached hereto and made a part hereof:

- 1) Exhibit A map showing thereon the boundaries of the Unit area, the participating area as heretofore established, and the proposed revision herein.
- 2) Exhibit B showing the lands entitled to participation in the unitized substances produced from the Dakota Formation, with the percentage of participation of each lease or tract indicated thereon.

Bureau of Land Management
Commission of Public Lands
Oil Conservation Division

Page 2

This proposed fifth revision is predicated on the following:

Lindrith B Unit #27, Tract No. 6, SF-078912

The Lindrith B Unit #27 was completed February 6, 1985. The Dakota Formation was tested February 6, 1985, and on a twenty-four (24) hour flowing test, the well produced 137 BOPD, 307 MCFPD and 208 BWPD through a 16/64" choke. The spacing unit for this well is described as the NW/4 Section 10, Township 24 North, Range 3 West, N.M.P.M., containing 160.00 acres. The Commerciality Determination for this well is shown on Attachment I.

We respectfully request your approval of the hereinabove selected lands to constitute the fifth (5th) revision of the Dakota Formation participating area, to be effective March 1, 1985.

We have determined the following described wells not capable of producing unitized substances and will not be brought into the Dakota Participating Area:

Lindrith B #35, Tract No. 16, Patented Lands

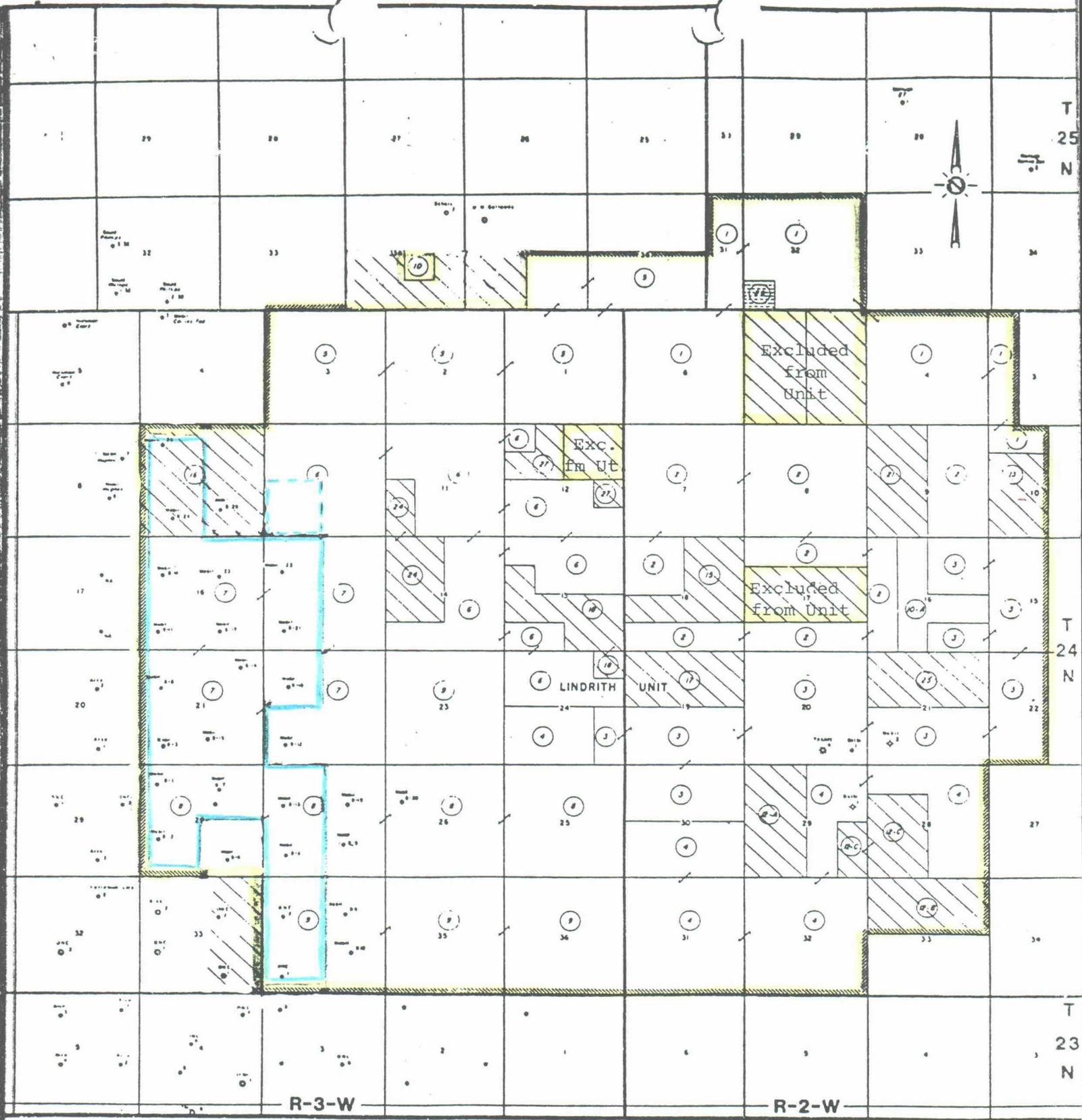
This well was completed December 12, 1985. The Dakota Formation was tested on December 12, 1985. On a twenty-four (24) hour flowing test, the well produced 33 BOPD, 135 MCFPD and 39 BWPD. The spacing unit for this well is described as the NE/4 of Section 9, Township 24, North, Range 3 West, N.M.P.M., containing 320.00 acres.

For your information, this is a re-submittal of a like application dated September 25, 1985, but which was not approved at that time due to insufficient production data.

MOBIL EXPLORATION & PRODUCING U.S. INC.
as Agent for MOBIL PRODUCING TEXAS &
NEW MEXICO INC.

BY: *Al Cox*

GDC/tc
Attachments



-  Federal Land
-  State Land
-  Fee Land
-  Unit Area Boundary
-  Tract Number From Exhibit B
-  Participating Area For The Dakota Formation
-  The Fifth Revision

Mobil Producing
Texas & New Mexico Inc.

LINDRITH UNIT
 DAKOTA Formation Participating Area
 Lindrith Unit Agreement
 Exhibit - A
 Rio Arriba, New Mexico

EXHIBIT "B"
 FIFTH REVISION DAKOTA FORMATION
 PARTICIPATING AREA
 LINDRITH UNIT AGREEMENT
 RIO ARRIBA COUNTY, NEW MEXICO

Tract No.	Lease No. or Type of Land	Description	Participating Acres	Percentage of Participation	Working Interest Owner and Percent of Interest
6	SF-078912	T24N, R3W, NMPM Sec. 10: SW/4	160.00	4.7619	Mobil Producing Texas & New Mexico Inc. Amoco Production Company Conoco, Inc. 75,000 12,500 12,500
7	SF-078913	T24N, R3W, NMPM Sec. 15: W/2 Sec. 16: A11 Sec. 21: A11 Sec. 22: NW/4	1,760.00	52.3810	Mobil Producing Texas & New Mexico Inc. Amoco Production Company Conoco, Inc. 75,000 12,500 12,500
8	SF-078914	T24N, R3W, NMPM Sec. 27: W/2 Sec. 28: SW/4, N/2	800.00	23.8095	Mobil Producing Texas & New Mexico Inc. Amoco Production Company Conoco, Inc. 75,000 12,500 12,500
9	SF-078915	T24N, R3W, NMPM Sec. 34: W/2	320.00	9.5238	Mobil Producing Texas & New Mexico Inc. Amoco Production Company Conoco, Inc. 75,000 12,500 12,500
16	Patented	T24N, R3W, NMPM Sec. 9: W/2	320.00	9.5238	Mobil Producing Texas & New Mexico Inc. Amoco Production Company Conoco, Inc. 75,000 12,500 12,500
			<u>3,360.00</u>	<u>100.0000</u>	
Total Federal Lands			3,040.00		
Total State Lands			0.00		
Total Patented Lands			<u>320.00</u>		
			<u>3,360.00</u>		

ATTACHMENT I

**MOBIL EXPLORATION & PRODUCING U.S.
COMMERCIALITY DETERMINATION**

Well Name: Lindrith B # 27
 Formation: Dakota
 Location: SE SW SW, Section 10, T24N, R3W
 County, State: Rio Arriba, New Mexico

Date Spudded: 12-26-1984
 Date Completed: 02-06-1985
 Date of First Delivery: 02-1985
 Date of Commerciality Submittal: 07-02-1990

Well Cost Data

Total Well Costs: \$592,000

Production Taxes

	Oil % of Revenue <u>02/85 - 07/90</u>	Gas % of Revenue <u>02/85 - 07/90</u>
Severance Tax	8.08%	11.53%
Ad Valorem	0.22%	0.22%

Average Product Pricing

<u>Years</u>	<u>Oil Price (\$/BBL)</u>	<u>Gas Price (\$/MCF)</u>
1985-1989	17.06 *	2.36 *

* Based on gross revenue and gas sold figures obtained from the Mobil Monthly Income Report.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Oil (MBO)</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (M\$)</u>
1985	0.15	0.00	15
1986	9.14	60.00	15
1987	5.19	64.41	21
1988	2.93	42.35	15
1989	2.65	50.55	10
1990	0.50	10.12	10

OK -
8-17-90

Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

August 13, 1990

**APPLICATION FOR APPROVAL OF
INITIAL PARTICIPATING AREA
FOR THE GALLUP FORMATION
LINDRITH UNIT
RIO ARRIBA COUNTY, NEW MEXICO**

Bureau of Land Management
Attention: Mr. John Keller
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Oil Conservation Division
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Gentlemen:

Mobil Exploration & Producing U.S. Inc., as Agent for Mobil Producing Texas & New Mexico Inc., as Sub-Operator for the Lindrith Unit, pursuant to the provisions of Section 10 of the Lindrith Unit Agreement, respectfully submits for your approval the selection of the following described lands to constitute the initial participating area for the Gallup Formation, to-wit:

T-24-N, R-2-W, N.M.P.M.
Section 4: E/2

T-25-N, R-2-W, N.M.P.M.
Section 32: E/2

containing 640.00 acres, more or less.

In support of this application, the following numbered items are attached hereto and made a part hereof:

- 1) Exhibit A map showing thereon the boundaries of the Unit area and the proposed initial participating area.
- 2) Exhibit B showing the lands entitled to participation in the unitized substances produced from the Gallup Formation, with the percentage of participation of each lease or tract indicated thereon.

M022543A.GDC

Mobil

Bureau of Land Management
Commission of Public Lands
Oil Conservation Division

Page 2

This proposed initial participating area is predicated upon the knowledge and information first obtained upon the completion in paying quantities under the terms of the Unit Agreement and based on the following:

<u>Drilling Block</u>	<u>Net Acres</u>	<u>Well No:</u>	<u>Effective Date</u>
E/2 Section 32, T-25-N, R-2-W	320.00	34	January 1, 1986

The Lindrith B Unit #34 was completed January 29, 1986. The Gallup Formation was tested January 29, 1986, and on a twenty-four (24) hour flowing test, the well produced 125 BOPD, 360 MCFPD and 8 BWPD. The spacing unit for this well is described as the E/2 Section 32, Township 25 North, Range 2 West, N.M.P.M., containing 320.00 acres. The Commerciality Determination for this well is shown on Attachment II.

<u>Drilling Block</u>	<u>Net Acres</u>	<u>Well No:</u>	<u>Effective Date</u>
E/2 Section 4, T-24-N, R-2-W	320.00	37	January 1, 1986

The Lindrith B Unit #37 was completed January 29, 1986. The Gallup Formation was tested January 29, 1986, and on a twenty-four (24) hour flowing test, the well produced 240 BOPD, 320 MCFPD and 8 BWPD through a 16/64" choke. The spacing unit for this well is described as the E/2 Section 4, Township 24 North, Range 2 West, N.M.P.M., containing 320.00 acres. The Commerciality Determination for this well is shown on Attachment III.

Note: In accordance with the NMOCC rules for the Gavilan-Mancos Oil Pool, the #37 well (E/2 Sec. 4) and the #38 (W/2 Sec.4) are currently assigned a 640.00 acre proration unit (all Section 4) for the two wells. For purposes of the participating area, we have allocated herein 320.00 acres for the #37 since the #38 well has been determined to be non-commercial (see below).

NOTICE OF COMPLETION OF NON-COMMERCIAL WELLS

The following described wells have been determined not capable of producing unitized substances and will not be brought into the Participating Area for the Gallup Formation:

Lindrith B Unit #38, Tract No. 1, SF-078907

This well was completed on June 19, 1986. The Gallup Formation was tested on June 19, 1986. On a twenty-four (24) hour flowing test, the well produced 37 BOPD, 169 MCFPD and 25 BWPD. The spacing unit for this well is described as the W/2 Section 4, Township 24 North, Range 2 West, N.M.P.M., containing 320 acres.

Bureau of Land Management
Commission of Public Lands
Oil Conservation Division

Page 3

Lindrith B Unit #72, Tract No. 2, SF-078908

This well was completed on April 2, 1987. The Gallup Formation was tested on April 2, 1987. On a twenty-four (24) hour flowing test, the well produced 14 BOPD, 35 MCFPD and 17 BWPD. The spacing unit for this well is described as the E/2 Section 8, Township 24 North, Range 2 West, N.M.P.M., containing 320.00 acres.

Lindrith B Unit #73, Tract No. 1, SF-078907

This well was completed on April 15, 1987. The Gallup Formation was tested on April 2, 1987. On a twenty-four (24) hour flowing test, the well produced 17 BOPD, 134 MCFPD and 1 BWPD. The spacing unit for this well is described as the E/2 Section 6, Township 24 North, Range 2 West, N.M.P.M., containing 320.00 acres.

Lindrith B Unit #74, Tract No. 2, SF-078908

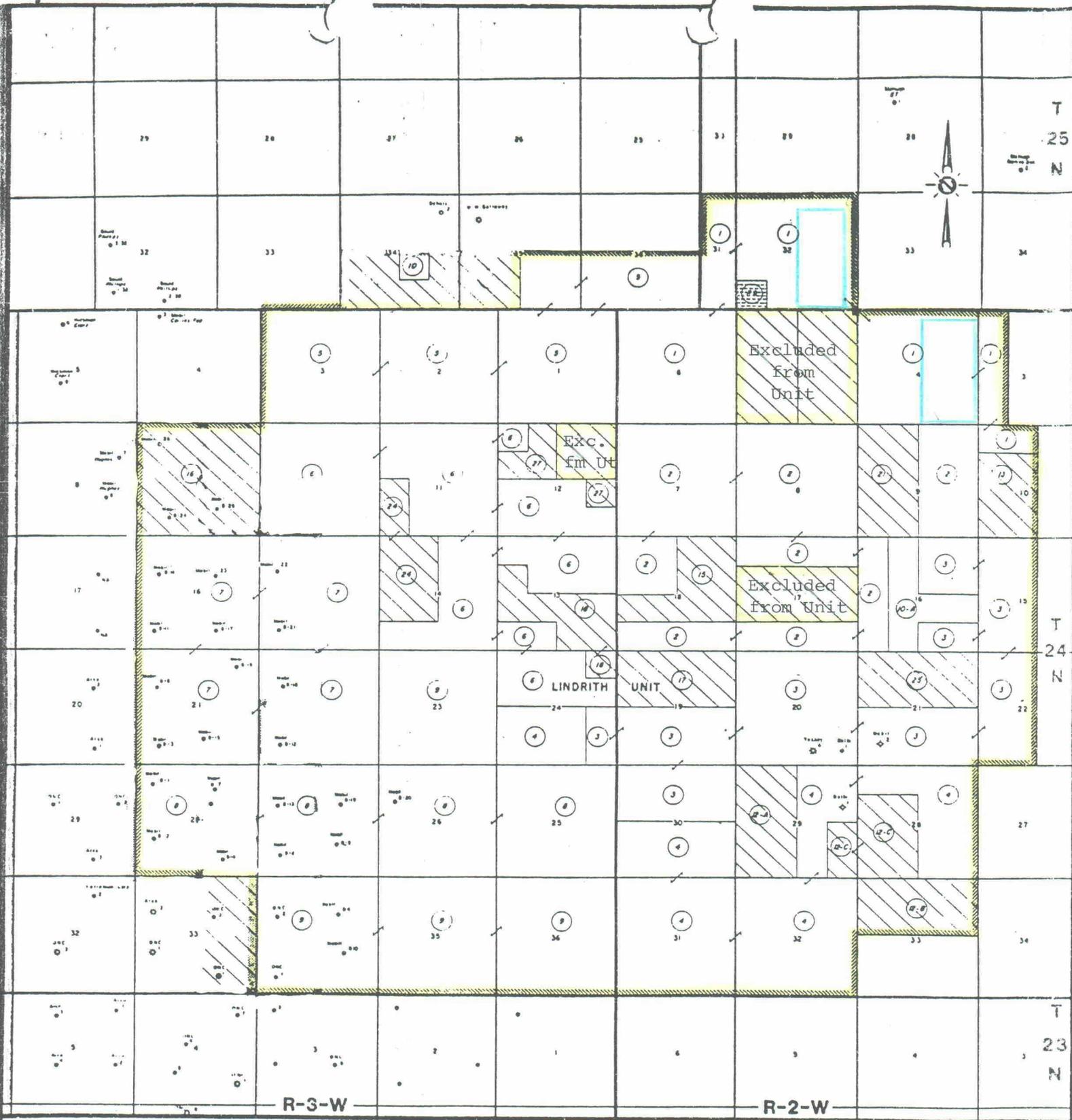
This well was completed on April 15, 1987. The Gallup Formation was tested on April 15, 1987. On a twenty-four (24) hour flowing test, the well produced 12 BOPD, 133 MCFPD and 10 BWPD. The spacing unit for this well is described as the E/2 Section 9, Township 24 North, Range 2 West, N.M.P.M., containing 320.00 acres.

Applicant respectfully requests your approval of the hereinabove selection of lands to constitute the initial Gallup Formation participating area, to be effective January 1, 1986.

MOBIL EXPLORATION & PRODUCING U.S. INC.
as Agent for MOBIL PRODUCING TEXAS &
NEW MEXICO INC.

BY: *Sh Coy*

GDC/tc
Attachments



-  Federal Land
-  State Land
-  Fee Land
-  Unit Area Boundary

-  Tract Number From Exhibit B
-  Initial Participating Area for The Gallup Formation

**Mobil Producing
 Texas & New Mexico Inc.**
LINDRITH UNIT
 GALLUP Formation Participating Area
 Lindrith Unit Agreement
 Exhibit - A
 Rio Arriba, New Mexico

EXHIBIT "B"
 INITIAL PARTICIPATING AREA
 GALLUP FORMATION
 LINDRITH UNIT AGREEMENT
 RIO ARRIBA COUNTY, NEW MEXICO

Tract No.	Lease No. or Type of Land	Description	Participating Acres	Percentage of Participation	Working Interest Owner and Percent of Interest
1	SF-078907	T25N, R2W, NMPM Sec. 32: E/2 T24N, R2W, NMPM Sec. 4: E/2	640.00	100.0000	Mobil Producing Texas & New Mexico Inc. 50.000 Amoco Production Company 25.000 Conoco, Inc. 25.000
		Total Federal Lands	640.00		
		Total State Lands	0		
		Total Patented Lands	0		
		Total Committed Lands	640.00		
				100.0000%	

ATTACHMENT II

**MOBIL EXPLORATION & PRODUCING U.S.
COMMERCIALITY DETERMINATION**

Well Name: Lindrith B # 34
 Formation: Gallup
 Location: NE SW NE, Section 32, T25N, R2W
 County, State: Rio Arriba, New Mexico

Date Spudded: 10-31-1985
 Date Completed: 01-29-1986
 Date of First Delivery: 02-1986
 Date of Commerciality Submittal: 07-02-1990

Well Cost Data

Total Well Costs: \$770,000

Production Taxes

	Oil % of Revenue <u>02/86 - 07/90</u>	Gas % of Revenue <u>02/86 - 07/90</u>
Severance Tax	8.18%	12.07%
Ad Valorem	0.24%	0.22%

Average Product Pricing

<u>Years</u>	<u>Oil Price (\$/BBL)</u>	<u>Gas Price (\$/MCF)</u>
1985-1989	15.31 *	2.31 *

* Based on gross revenue and gas sold figures obtained from the Mobil Monthly Income Report.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Oil (MBO)</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (M\$)</u>
1986	19.55	57.80	15
1987	22.31	76.30	21
1988	6.71	39.06	15
1989	2.70	27.57	10
1990	0.19	4.10	10

ATTACHMENT III

**MOBIL EXPLORATION & PRODUCING U.S.
COMMERCIALITY DETERMINATION**

Well Name: Lindrith B # 37
 Formation: Gallup
 Location: NE SW NE, Section 4, T24N, R2W
 County, State: Rio Arriba, New Mexico

Date Spudded: 10-08-1985
 Date Completed: 01-29-1986
 Date of First Delivery: 02-1986
 Date of Commerciality Submittal: 07-02-1990

Well Cost Data

Total Well Costs: \$889,000

Production Taxes

	Oil % of Revenue <u>02/86 - 07/90</u>	Gas % of Revenue <u>02/86 - 07/90</u>
Severance Tax	8.18%	12.07%
Ad Valorem	0.24%	0.22%

Average Product Pricing

<u>Years</u>	<u>Oil Price (\$/BBL)</u>	<u>Gas Price (\$/MCF)</u>
1985-1989	15.31 *	2.31 *

* Based on gross revenue and gas sold figures obtained from the Mobil Monthly Income Report.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Oil (MBO)</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (M\$)</u>
1986	25.50	64.81	15
1987	38.13	165.08	21
1988	31.91	155.07	15
1989	11.21	124.53	10
1990	1.83	28.51	10

RECEIVED
OIL CONSERVATION DIVISION

'90 APR 6 AM 8 43

Lindrith Unit (PA)
3180 (019)

APR 03 1990

El Paso Natural Gas Company
Attn: Mr. Kent Beers
P. O. Box 990
Farmington, NM 87499

Gentlemen:

We have received your letter dated March 7, 1990 regarding the following non-commercial well determinations within the Lindrith Unit, T. Sec. No. 713, completed in the Pictured Cliffs Formation, Rio Arriba County, New Mexico.

1. Lindrith Unit No. 2, NW/4NE/4 sec. 22, T. 24 N., R. 3 W., January 10, 1985
2. Lindrith Unit No. 69R, NW/4SW/4 sec. 23, T. 24 N., R. 3 W., September 27, 1985
3. Lindrith Unit No. 108, SW/4SW/4 sec. 22, T. 24 N., R. 2 W., February 6, 1985
4. Lindrith Unit No. 112, SE/4SE/4 sec. 26, T. 24 N., R. 3 W., January 16, 1985
5. Lindrith Unit No. 113, NE/4SW/4 sec. 36, T. 24 N., R. 3 W., January 18, 1985
6. Lindrith Unit No. 114, SW/4SE/4 sec. 7, T. 24 N., R. 2 W., October 3, 1985
7. Lindrith Unit No. 115, SE/4NW/4 sec. 28, T. 24 N., R. 3 W., August 22, 1985
8. Lindrith Unit No. 116, SE/4NW/4 sec. 26, T. 24 N., R. 3 W., September 25, 1985
9. Lindrith Unit No. 97, NW/4SW/4 sec. 9, T. 24 N., R. 2 W., Plugged May, 1982

We agree that the above wells are not capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation. This notice is hereby accepted for record.

If you have any questions, please contact Kenny Nowell at (505) 327-5344.

Sincerely,

/s/ John L. Keller

John L. Keller, Chief
Branch of Mineral Resources

Enclosures

cc: New Mexico Oil Conservation Division, 310 Old Santa Fe Trail,
Room 206, Santa Fe, NM 87503
Commissioner of Public Lands, State of New Mexico, P. O. Box 1148,
Santa Fe, NM 87504

NEW MEXICO OIL CONSERVATION DIVISION
RECEIVED

90 MAR 27 AM 8 50

Lindrith(POD)
3180 (019)

MAR 25 1990

El Paso Natural Gas Company
Attn: Kent Beers
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

One approved copy of your 1990 Plan of Development for the Lindrith Unit area, Rio Arriba County, New Mexico, is enclosed. Such plan, proposing the drilling of no wells during the calendar year 1990 was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Ceil Keller at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John Keller
Chief, Branch of Minerals

Enclosure

cc: Commissioner of Public Lands, State of New Mexico, P. O. Box 1148,
Santa Fe, NM 87504
New Mexico Oil Conservation Division, 300 Old Santa Fe Trail, Room 206,
Santa Fe, NM 87403

CONSERVATION DIVISION
RECEIVED

1990 MAR 26 AM 8 54

Lindrith(POD)
3180 (019)

MAR 23 1990

El Paso Natural Gas Company
Attn: Kent Beers
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

One approved copy of your 1990 Plan of Development for the Lindrith Unit area, Rio Arriba County, New Mexico, is enclosed. Such plan, proposing the drilling of wells during the calendar year 1990 was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John Keller
Chief, Branch of Minerals

Enclosure

cc: Commissioner of Public Lands, State of New Mexico, P. O. Box 1148,
Santa Fe, NM 87504
New Mexico Oil Conservation Division, 510 Old Santa Fe Trail, Room 206,
Santa Fe, NM 87403

NEW MEXICO OIL CONSERVATION DIVISION
RECEIVED

'90 MAR 27 AM 8 49

Lindrith B(POB)
3180 (019)

MAR 26 1990

Mobil Exploration & Producing US
Attn: Glenn D. Cox
P.O. Box 633
Midland, TX 79702

Gentlemen:

One approved copy of your 1990 Plan of Development for the Lindrith B Unit area, Rio Arriba County, New Mexico, is enclosed. Such plan, proposing the drilling of no wells during 1990 was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John Keller
Chief, Branch of Minerals

Enclosure

cc: Commissioner of Public Lands, State of New Mexico, P. O. Box 1148,
Santa Fe, NM 87504
✓ New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Room 206,
Santa Fe, NM 87403

El Paso
Natural Gas Company

RECEIVED
Nov 22 10 53 AM '89
STATE LAND OFFICE
SANTA FE, N.M.

3535 East 30th Street
P.O. Box 4289
Farmington, New Mexico 87499-4289
Phone: 505-326-9700
November 20, 1989

Bureau of Land Management
Attention: Mr. John Keller
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501-2088

Re: Lindrith B Unit, I Section No. 713
First Amendment
1989 Plan of Development
Rio Arriba County, New Mexico

Gentlemen:

By the attached letter Mobil Exploration & Producing U.S. Inc., as sub-operator of the referenced unit, desires to amend the 1989 Plan of Development to include the following well:

<u>Well Name</u>	<u>Location</u>	<u>Formation</u>
Lindrith B #76	NE/4 NW/4 1-24N-3W	Gallup/Dakota

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as operator of the Lindrith Unit, and on behalf of Mobil Oil Producing Texas & New Mexico Inc., as sub-operator of the Lindrith "B" Unit, respectfully submits for your approval the First Amendment to the 1989 Plan of Development.

The working interest owners have been contacted regarding the proposed well. El Paso Natural Gas Company, as unit operator, Mobil Producing Texas & New Mexico Inc., as sub-operator and the working interest owners believe that all current obligations have been satisfied.

If this Amended Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on Mobil's letter and return an approved copy to the attention of the undersigned.

A copy of this letter is being furnished to the working interest owners on the attached sheet.

Very truly yours,


Kent Beers
Attorney-in-Fact

KB:LD:jf
Attachment
Lindrith B, 3.0

LINDRITH UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Conoco, Inc.

FMP Operating Co.

Mobil Exploration and Producing

Mobil Exploration & Producing U.S. Inc.

NOV 1989
Received
Land Dept.
Farmington
P.O. BOX 5444
DENVER, COLORADO 80217-5444

November 14, 1989

Meridian Oil Inc.
P. O. Box 4289
Farmington, NM 87499

ATTN: Van Goebel
Land Department

REF: Amendment to the
1989 Plan of Development
Lindrith B Unit
I. Section No. 713
Rio Arriba County
New Mexico

Gentleman,

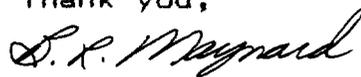
Mobil proposes to amend the 1989 Plan of Development in order to drill the Lindrith 'B' #76. Location of 1150' FNL, 1750' FWL Sec. 1, T-24-N R-3-W

The proposed well will increase oil recovery from this unit by continuing the orderly development of this Dakota/Gallup productivity trend.

As Unit Operator, Meridian Oil Inc. is requested to submit this information to the Bureau of Land Management for their review and approval.

Should you have any questions, please contact P. C. Adams at Area Code (303) 298-2104 or C. N. Eggerman at (303) 298-2346.

Thank you,



B.R. Maynard
Regulatory Compliance Mgr. QUR

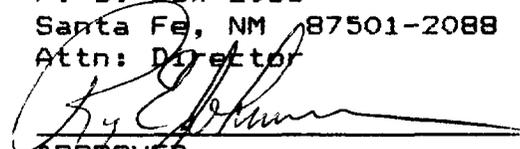
cc: State Lands Office
P. O. Box 1148
Santa Fe, NM 87504-1148
Attn: Comm. of Public Lands

Bureau of Land Management
434 Montero N.E.
Albuquerque, NM 87107
Attn: Branch of Fluid Min.

APPROVED

APPROVED

State Oil Conservation Div.
P. O. Box 2088
Santa Fe, NM 87501-2088
Attn: Director



APPROVED

12-5-89

El Paso
Natural Gas Company

RECEIVED
OIL CONSERVATION DIVISION
'90 MAR 9 AM 9 00

3535 East 30th Street
P.O. Box 4289
Farmington, N.M. 87499-4289
Phone: 505-326-9700

March 7, 1990

Bureau of Land Management
Attention: Mr. John Keller
1235 La Plata Highway
Farmington, New Mexico 87401

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501-2088

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: Lindrith Unit, I Sec. No. 713
NON-COMMERCIAL WELL DETERMINATIONS
Pictured Cliffs Formation
Rio Arriba County, New Mexico

Gentlemen:

In response to the BLM letters dated September 8, 1989 and December 20, 1989 we have determined the following described wells not capable of producing unitized substances in order to be included in the Pictured Cliffs Participating Area:

Lindrith Unit #12, Tract No. 7, SF-078913

This well is located 1450' FSL, 1850' FEL Section 22, T24N, R3W, N.M.P.M., Rio Arriba County, New Mexico. The well was spud December 5, 1984 and completed January 10, 1985 as a South Blanco Pictured Cliffs. The well was perforated at 3197', 3205', 3215', 3224', 3229', 3253' w/ 1 SPZ. Fraced with 34,000# sand, 51,785 gallons water.

Lindrith Unit #69R, Tract No. 9, SF-078915

This well is located 1850' FSL, 925' FWL Section 23, T24N, R3W, N.M.P.M., Rio Arriba County, New Mexico. The well was spud September 4, 1985 and completed September 27, 1985 as a South Blanco Pictured Cliffs. It was perforated at 3178', 3182', 3185', 3193', 3200', 3203', 3206', 3209', 3212', 3215', 3218', 3221', 3231', 3234', 3237' w/1 SPZ. Fraced with 49,000# 10/20 sand and 60,564 gallons water.

Lindrith Unit #108, Tract No. 3, SF-078909

This well is located 1190' FSL, 1180' FWL Section 22, T24N, R2W, N.M.P.M., Rio Arriba County, New Mexico. The well was spud November 17, 1984 and completed February 6, 1985 as a South Blanco Pictured Cliffs. It was perforated at 3137', 3148', 3158', 3170', 3186', 3202', 3213', 3224' w/1 SPZ. Fraced with 64,000# sand, 82,000 gallons water.

Lindrith Unit #112, Tract No. 8, SF-078914

This well is located 1180' FSL, 880' FEL Section 26, T24N, R3W, N.M.P.M., Rio Arriba County, New Mexico. The well was spud December 3, 1984 and completed January 16, 1985 as a South Blanco Pictured Cliffs. It was perforated at 3160', 3189', 3206', 3217', 3229', 3239' and 3250' w/1 SPZ. Fraced with 71,000# sand, 85,830 gallons water.

Lindrith Unit #113, Tract No. 9, SF-078915

This well is located 1450' FSL, 1850' FWL Section 36, T24N, R3W, N.M.P.M., Rio Arriba County, New Mexico. The well was spud November 24, 1984 and completed January 18, 1985 as a South Blanco Pictured Cliffs. It was perforated at 2993', 3007', 3020', 3031', 3043', 3050', 3063', 3098' w/1 SPZ. Fraced with 65,000# sand, 79,000 gallons water.

Lindrith Unit #114, Tract No. 2, SF-078908

This well is located 1170' FSL, 1580' FEL Section 7, T24N, R2W, N.M.P.M., Rio Arriba County, New Mexico. The well was spud August 26, 1985 and completed October 3, 1985 as a South Blanco Pictured Cliffs. It was perforated at 3322', 3324', 3327', 3330', 3338', 3340', 3343', 3346', 3349', 3352', 3364', 3367', 3370', 3380', 3382', 3394', 3397', 3400', 3411', 3414', 3417', 3430', 3433', 3450', 3452' w/ 1 SPZ. Fraced with 70,000# 20/40 sand and 79,242 gallons slickwater.

Lindrith Unit #115, Tract No. 8, SF-078914

This well is located 1060' FNL, 1815' FWL Section 28, T24N, R3W, N.M.P.M., Rio Arriba County, New Mexico. The well was spud August 22, 1985 and completed September 23, 1985 as a South Blanco Pictured Cliffs. It was perforated at 2968', 2970', 2972', 2975', 2978', 2981', 2984', 2987', 2990', 2993', 2996', 3008', 3011', 3014', 3017', 3020', 3046', 3049', 3056', 3058' w/1 SPZ. Fraced with 54,000# 10/40 sand and 63,756 gallons water.

Lindrith Unit #116, Tract No. 8, SF-078914

This well is located 1835' FNL, 1465' FWL Section 26, T24N, R3W, N.M.P.M., Rio Arriba County, New Mexico. The well was spud August 29, 1985 and completed September 25, 1985 as a South Blanco Pictured Cliffs. It was perforated 3228', 3231', 3239', 3242', 3245', 3248', 3251', 3254', 3267', 3270', 3273', 3276', 3279', 3321', 3325' w/1 SPZ. Fraced with 45,000# 10/20 sand and 52,652 gallons fresh water.

The Lindrith Unit #97, NW/4 SW/4 Section 9, T24N, R2W was plugged and abandoned in May, 1982. A copy of the sundry notice that was approved by the NMOCD is enclosed.

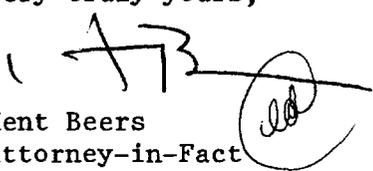
Also attached are the data sheets which summarize information utilized in the analysis that the wells are non-commercial for unit purposes.

If you are in agreement with our assessment we would appreciate you executing the attached letter ballot.

A copy of this letter is being sent to the Lindrith Unit owners.

Please contact Linda Donohue at 326-9760 if there are any questions relating to this matter.

Very truly yours,


Kent Beers
Attorney-in-Fact

KB:LD:jf

18+

Attachment

Lindrith Unit, 4.1

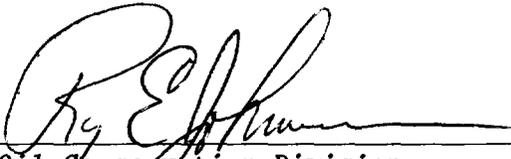
cc: J. E. Craddock

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED: 
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 3-12-90

The foregoing approvals are for non-commercial well determination of the Lindrith Unit #12, #69R, #108, #112, #113, #114, #115, and #116, Lindrith Unit, I Sec. No. 713, Rio Arriba County, New Mexico.

LINDRITH UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Conoco, Inc.

Mobil Exploration and Producing

Meridian Oil, Inc.
Commerciality Determination

Well Name: Lindrith Unit #12	Date Spudded: 12/5/84
Formation: Pictured Cliffs	Date Completed: 1/10/85
Location: SE/4, Sec. 22, T24N, R3W	Date of First Delivery: 6/03/85
Rio Arriba County, New Mexico	Date of Commerciality Submittal: 2/10/90

Well Cost Data

Total Well Costs \$159,960

Production Taxes

	<u>Gas</u> <u>% of Revenue</u>
Severance Tax	\$0.163/MCF to 7/1/90 3.75% thereafter
School Tax	(N.M.) 3.15%
Ad Valorem	(N.M.) 2.31%
Conservation Tax	(N.M.) 0.19%

Average Product Pricing

<u>Years</u>	<u>Gas Price (\$/MCF)</u>
1985	\$1.49
1986	\$1.49
1987	\$1.62
1988	\$1.49
1989	\$1.55
1990	\$1.70

*Based on spot gas sales for the actual months of production adjusted for a heating value of 1150 MMBTU/MCF. Price is held flat at the current price level.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (\$)</u>
1985	17.5	4800
1986	20.7	4800
1987	9.8	4800
1988	6.7	4800
1989	5.7	4800
1990	5.6	4800
1991	2.3	4800

*Operating Expenses are held flat at the current level.

*The well can be produced to an economic limit of 5 MCFPD under the current economic and operating conditions.

Test Data

<u>Date</u>	<u>WHSIP</u> <u>(PSIG)</u>	<u>WHFTP</u> <u>(PSIG)</u>	<u>AOF (MCFD)</u>
1/10/85	687	688	782

Meridian Oil, Inc.
Commerciality Determination

Well Name: Lindrith Unit #69R	Date Spudded: 9/4/85
Formation: Pictured Cliffs	Date Completed: 9/27/85
Location: SW/4, Sec. 23, T24N, R3W	Date of First Delivery: 11/13/85
County, State: Rio Arriba, NM	Date of Commerciality Submittal: 2/10/90

Well Cost Data

Total Well Costs \$159,080

Production Taxes

	Gas % of Revenue
Severance Tax	\$0.163/MCF to 7/1/90 3.75% thereafter
School Tax	3.15%
Ad Valorem	2.31%
Conservation Tax	0.19%

Average Product Pricing

<u>Years</u>	<u>Gas Price (\$/MCF)</u>
1985	\$1.49
1986	\$1.49
1987	\$1.62
1988	\$1.49
1989	\$1.55
1990	\$1.70

*Based on spot gas sales for the actual months of production adjusted for a heating value of 1150 MMBTU/MCF. Price is held flat at the current price level.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (\$)</u>
1985	11.2	3600
1986	22.8	3600
1987	27.2	3600
1988	9.9	3600
1989	10.3	3600
1990	16.2	3600
1991	15.8	3600
1992	15.0	3600
1993	14.2	3600
1994	13.5	3600
1995	12.8	3600

*Operating Expenses are held flat at the current level.

*The well can be produced to an economic limit of 5 MCFPD under the current economic and operating conditions.

Test Data

<u>Date</u>	<u>SITP (PSIG)</u>	<u>SICP (PSIG)</u>	<u>AOF (MCFD)</u>
9/27/85	875	876	1138

Meridian Oil, Inc.
Commerciality Determination

Well Name: Lindrith Unit #108	Date Spudded: 11/17/84
Formation: Pictured Cliffs	Date Completed: 2/06/85
Location: SW/4, Sec. 22, T24N, R2W	Date of First Delivery: 5/03/85
County, State: Rio Arriba, NM	Date of Commerciality Submittal: 2/10/90

Well Cost Data

Total Well Costs \$159,080

Production Taxes

	Gas % of Revenue
Severance Tax	\$0.163/MCF to 7/1/90 3.75% thereafter
School Tax	3.15%
Ad Valorem	2.31%
Conservation Tax	0.19%

Average Product Pricing

<u>Years</u>	<u>Gas Price (\$/MCF)</u>
1985	\$1.49
1986	\$1.49
1987	\$1.62
1988	\$1.49
1989	\$1.55
1990	\$1.70

*Based on spot gas sales for the actual months of production adjusted for a heating value of 1150 MMBTU/MCF. Price is held flat at the current price level.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (\$)</u>
1985	23.6	4800
1986	22.3	4800
1987	17.3	4800
1988	13.2	4800
1989	12.1	4800
1990	11.9	4800
1991	11.6	4800
1992	11.2	4800
1993	10.9	4800
1994	10.6	4800
1995	10.2	4800

*Operating Expenses are held flat at the current level.

*The well can be produced to an economic limit of 5 MCFPD under the current economic and operating conditions.

Test Data

<u>Date</u>	<u>SITP (PSIG)</u>	<u>SICP (PSIG)</u>	<u>AOF (MCFD)</u>
2/6/86	424	523	525

Meridian Oil, Inc.
Commerciality Determination

Well Name: Lindrith Unit #112	Date Spudded: 11/30/84
Formation: Pictured Cliffs	Date Completed: 12/3/84
Location: SE/4, Sec. 26, T24N, R3W	Date of First Delivery: 5/3/85
County, State: Rio Arriba, NM	Date of Commerciality Submittal: 2/10/90

Well Cost Data

Total Well Costs \$160,020

Production Taxes

	Gas
	<u>% of Revenue</u>
Severance Tax	\$0.163/MCF to 7/1/90 3.75% thereafter
School Tax	3.15%
Ad Valorem	2.31%
Conservation Tax	0.19%

Average Product Pricing

<u>Years</u>	<u>Gas Price (\$/MCF)</u>
1985	\$1.49
1986	\$1.49
1987	\$1.62
1988	\$1.49
1989	\$1.55
1990	\$1.70

*Based on spot gas sales for the actual months of production adjusted for a heating value of 1150 MMBTU/MCF. Price is held flat at the current price level.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (\$)</u>
1985	43.4	2400
1986	17.4	2400
1987	31.1	2400
1988	5.1	2400
1989	26.2	2400
1990	25.5	2400
1991	24.2	2400
1992	22.9	2400
1993	21.7	2400
1994	20.6	2400
1995	19.5	2400

*Operating Expenses are held flat at the current level.

*The well can be produced to an economic limit of 5 MCFPD under the current economic and operating conditions.

Test Data

<u>Date</u>	<u>SITP (PSIG)</u>	<u>SICP (PSIG)</u>	<u>AOE (MCFD)</u>
1/18/85	864	863	1975

Meridian Oil, Inc.
Commerciality Determination

Well Name: Lindrith Unit #113	Date Spudded: 11/24/84
Formation: Pictured Cliffs	Date Completed: 1/8/85
Location: SW/4, Sec. 36, T24N, R3W	Date of First Delivery: 5/9/85
County, State: Rio Arriba, NM	Date of Commerciality Submittal: 2/10/90

Well Cost Data

Total Well Costs \$156,600

Production Taxes

	Gas _____ % of Revenue
Severance Tax	\$0.163/MCF to 7/1/90 3.75% thereafter
School Tax	3.15%
Ad Valorem	2.31%
Conservation Tax	0.19%

Average Product Pricing

<u>Years</u>	<u>Gas Price (\$/MCF)</u>
1985	\$1.49
1986	\$1.49
1987	\$1.62
1988	\$1.49
1989	\$1.55
1990	\$1.70

*Based on spot gas sales for the actual months of production adjusted for a heating value of 1150 MMBTU/MCF. Price is held flat at the current price level.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (\$)</u>
1985	31.6	3600
1986	24.7	3600
1987	20.2	3600
1988	7.3	3600
1989	14.3	3600
1990	14.1	3600
1991	13.8	3600
1992	13.5	3600
1993	13.2	3600
1994	13.0	3600
1995	12.7	3600

*Operating Expenses are held flat at the current level.

*The well can be produced to an economic limit of 5 MCFPD under the current economic and operating conditions.

Test Data

<u>Date</u>	<u>SITP (PSIG)</u>	<u>SICP (PSIG)</u>	<u>AOF (MCFD)</u>
1/18/85	132	102	1373

Meridian Oil, Inc.
Commerciality Determination

Well Name: Lindrith Unit #114	Date Spudded: 8/26/85
Formation: Pictured Cliffs	Date Completed: 10/3/85
Location: SE/4, Sec. 7, T24N, R2W	Date of First Delivery: 11/14/85
County, State: Rio Arriba, NM	Date of Commerciality Submittal: 2/10/90

Well Cost Data

Total Well Costs \$172,000

Production Taxes

	Gas
	<u>% of Revenue</u>
Severance Tax	\$0.163/MCF to 7/1/90 3.75% thereafter
School Tax	3.15%
Ad Valorem	2.31%
Conservation Tax	0.19%

Average Product Pricing

<u>Years</u>	<u>Gas Price (\$/MCF)</u>
1985	\$1.49
1986	\$1.49
1987	\$1.62
1988	\$1.49
1989	\$1.55
1990	\$1.70

*Based on spot gas sales for the actual months of production adjusted for a heating value of 1150 MMBTU/MCF. Price is held flat at the current price level.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (\$)</u>
1985	11.5	3600
1986	19.1	3600
1987	16.4	3600
1988	6.9	3600
1989	9.9	3600
1990	13.0	3600
1991	12.9	3600
1992	12.6	3600
1993	12.3	3600
1994	12.0	3600
1995	11.7	3600

*Operating Expenses are held flat at the current level.

*The well can be produced to an economic limit of 5 MCFPD under the current economic and operating conditions.

Test Data

<u>Date</u>	<u>SITP (PSIG)</u>	<u>SICP (PSIG)</u>	<u>AOF (MCFD)</u>
9/16/85	736	939	1237

Meridian Oil, Inc.
Commerciality Determination

Well Name: Lindrith Unit #115	Date Spudded: 8/22/85
Formation: Pictured Cliffs	Date Completed: 9/23/85
Location: NW/4, Sec. 28, T24N, R3W	Date of First Delivery: 11/7/85
County, State: Rio Arriba, NM	Date of Commerciality Submittal: 2/10/90

Well Cost Data

Total Well Costs \$159,080

Production Taxes

	Gas _____ % of Revenue
Severance Tax	\$0.163/MCF to 7/1/90 3.75% thereafter
School Tax	3.15%
Ad Valorem	2.31%
Conservation Tax	0.19%

Average Product Pricing

<u>Years</u>	<u>Gas Price (\$/MCF)</u>
1985	\$1.49
1986	\$1.49
1987	\$1.62
1988	\$1.49
1989	\$1.55
1990	\$1.70

*Based on spot gas sales for the actual months of production adjusted for a heating value of 1150 MMBTU/MCF. Price is held flat at the current price level.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (\$)</u>
1985	10.0	3600
1986	14.6	3600
1987	20.5	3600
1988	13.8	3600
1989	7.7	3600
1990	15.6	3600
1991	15.2	3600
1992	14.6	3600
1993	13.9	3600
1994	13.3	3600
1995	12.7	3600

*Operating Expenses are held flat at the current level.

*The well can be produced to an economic limit of 5 MCFPD under the current economic and operating conditions.

Test Data

<u>Date</u>	<u>SITP (PSIG)</u>	<u>SICP (PSIG)</u>	<u>AOF (MCFD)</u>
9/23/85	920	920	441

Meridian Oil, Inc.
Commerciality Determination

Well Name: Lindrith Unit #116	Date Spudded: 8/29/85
Formation: Pictured Cliffs	Date Completed: 9/25/85
Location: NW/4, Sec. 26, T24N, R3W	Date of First Delivery: 10/29/85
County, State: Rio Arriba, NM	Date of Commerciality Submittal: 2/10/90

Well Cost Data

Total Well Costs \$163,160

Production Taxes

	Gas % of Revenue
Severance Tax	\$0.163/MCF to 7/1/90 3.75% thereafter
School Tax	3.15%
Ad Valorem	2.31%
Conservation Tax	0.19%

Average Product Pricing

<u>Years</u>	<u>Gas Price (\$/MCF)</u>
1985	\$1.49
1986	\$1.49
1987	\$1.62
1988	\$1.49
1989	\$1.55
1990	\$1.70

*Based on spot gas sales for the actual months of production adjusted for a heating value of 1150 MMBTU/MCF. Price is held flat at the current price level.

Estimated Gross Annual Production and Operating Expenses

<u>Years</u>	<u>Gas (MMCF)</u>	<u>Operating Expense (\$)</u>
1985	11.5	3600
1986	14.3	3600
1987	22.0	3600
1988	10.0	3600
1989	10.3	3600
1990	19.5	3600
1991	18.9	3600
1992	17.7	3600
1993	16.5	3600
1994	15.5	3600
1995	14.5	3600

*Operating Expenses are held flat at the current level.

*The well can be produced to an economic limit of 5 MCFPD under the current economic and operating conditions.

Test Data

<u>Date</u>	<u>SITP (PSIG)</u>	<u>SICP (PSIG)</u>	<u>AOF (MCFD)</u>
9/25/85	972	972	852

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER-	7. Unit Agreement Name Lindrith Unit
2. Name of Operator El Paso Exploration Company	8. Farm or Lease Name Lindrith Unit
3. Address of Operator Box 289, Farmington, New Mexico 87401	9. Well No. 97
4. Location of Well UNIT LETTER <u>L</u> <u>1800</u> FEET FROM THE <u>South</u> LINE AND <u>1110</u> FEET FROM THE <u>West</u> LINE, SECTION <u>9</u> TOWNSHIP <u>24-N</u> RANGE <u>2-W</u> NMPM.	10. Field and Pool, or Wildcat S. Blanco P.C.
15. Elevation (Show whether DF, RT, GR, etc.) 7197' GL	12. County Rio Arriba

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK PLUG AND ABANDON

TEMPORARILY ABANDON CHANGE PLANS

PULL OR ALTER CASING

OTHER

SUBSEQUENT REPORT OF:

REMEDIAL WORK ALTERING CASING

COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT

CASING TEST AND CEMENT JOB

OTHER

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

May 22-26

Moved on location and rigged up. Removed packer and pulled 1 1/4" tubing. Removed packer from tubing and ran 3200' tubing and circulated. Spotted 10 sacks of cement over perforations and displaced 5 sacks into perforations leaving a cement plug from 3443' to 3100' covering Fruitland top. Perforated w/ 2 shots at 2850', 50' below Ojo Alamo top (2775'). Spotted 40 sack cement plug to cover Ojo and squeezed 35 sacks through perforations leaving plug from 2850' to 2515'. Perforated w/ 2 shots at 200' and spotted 65 sack cement plug from 200' to 50'. Spotted 10 sack cement plug in surface tubing and set plug and abandon marker.



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

SIGNED CR Bowman TITLE Production Engineer DATE June 3, 1982

APPROVED BY Charles Johnson TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JAN 5 1983

CONDITIONS OF APPROVAL, IF ANY:

El Paso
Natural Gas Company

3535 East 30th Street
P.O. Box 4289
Farmington, N.M. 87499-4289
Phone: 505-326-9700

February 28, 1990

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Re: **Lindrith Unit, I Sec. No. 713**
Rio Arriba County, New Mexico
1990 Plan of Development

Gentlemen:

By letters dated February 28, 1989 and November 20, 1989, El Paso Natural Gas Company, as Unit Operator, for the referenced unit, filed the Plan of Development for the calendar year 1989. These programs provided for the drilling of the Lindrith B #76, NE/4 NW/4 1-24N-3W, Gallup/Dakota. This well will be spud in the near future.

As of this date, the total number of wells in the Lindrith Unit is as follows:

Pictured Cliffs, Commercial	93
Pictured Cliffs, Non-Commercial	5
Pictured Cliffs, Being Evaluated	8
Pictured Cliffs, Plugged & Abandoned	<u>9</u>
	115

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Unit Operator, and Mobil Exploration & Producing U.S. Inc., as Sub-Operator, hereby submits no wells for the 1990 Plan of Development.

February 28, 1990

Mobil has provided the attached 1989 Summary of Activity for the Lindrith "B" Unit for your files.

El Paso Natural Gas Company has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of no wells during the calendar year 1990.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours



Kent Beers
Attorney-in-Fact



KB:LD:jf

Enclosures

Lindrith Unit, 3.0

85+

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 3-12-90

The foregoing approvals for the 1990 Plan of Development for the Lindrith Unit, I Sec. No. 713, Rio Arriba County, New Mexico.

Mobil Exploration & Producing U.S. Inc.

February 28, 1990

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

El Paso Natural Gas Company
P. O. Box 4289
Farmington, New Mexico 87499-4289

Attn: Kent Beers, Land Department

FIELD REVIEW 1989
PLAN OF DEVELOPMENT 1990
LINDRITH B UNIT
I. SECTION NO. 713
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

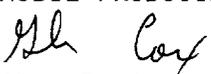
Attached is a 1989 Summary of Activity and proposed Plan of Development for the Lindrith B Unit.

As Unit Operator, El Paso Natural Gas Company is requested to submit this information to the agencies listed below for their review and approval.

Should you have any questions, please direct them to C. N. Eggerman at (303) 298-2346.

Very truly yours,

MOBIL EXPLORATION & PRODUCING U.S. INC.
as Agent for
MOBIL PRODUCING TEXAS & NEW MEXICO INC.


Glen D. Cox
Senior Landman
Hobbs Area

GDC/cjh

State Lands Office
P. O. Box 1148
Santa Fe, New Mexico 87504
Attn: Commission of Public Lands

Bureau of Land Management
1235 La Plata Highway
Farmington, New Mexico 87401
Attn: Chief-Branch of Fluid Min

APPROVED

APPROVED

State Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501
Attn: Director

APPROVED

M005943A.GDC

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1989

Mobil Operated - Status as of 12/31/89

<u>Well Status</u>	<u>Dakota</u>	<u>Gallup</u>	<u>Total</u>
Producing	40	6	46
Water Disposal			1

1989 Production

Oil, MBO	69	15	84
Gas, MMCF	1237	199	1436

Cumulative Production

Oil, MBO	1752	178	1930
Gas, MMCF	11994	1156	13150

Production Plots

Attached are performance curves for the Lindrith Unit Mobil Operated Wells through 1989. Gavilan (Gavilan-Mancos Pool) and Dakota (West Lindrith Gallup/Dakota Pool) are reported separately.

Operations Review

Drilled Wells:

The Lindrith B Unit No. 75, located in the SE1/4, sec. 35, T-25-N, R-3-W, was drilled and completed on 5/9/89 with an initial potential of 117 BOPD, 103 MCFPD and 10 BWPD in the Dakota 'D' sand. Since completion, the well has produced a total of 66.5 MBO, 48 MMCF and 4 MBW.

Miscellaneous:

No workovers, conversions or abandonments were performed in the unit in 1989.

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1990

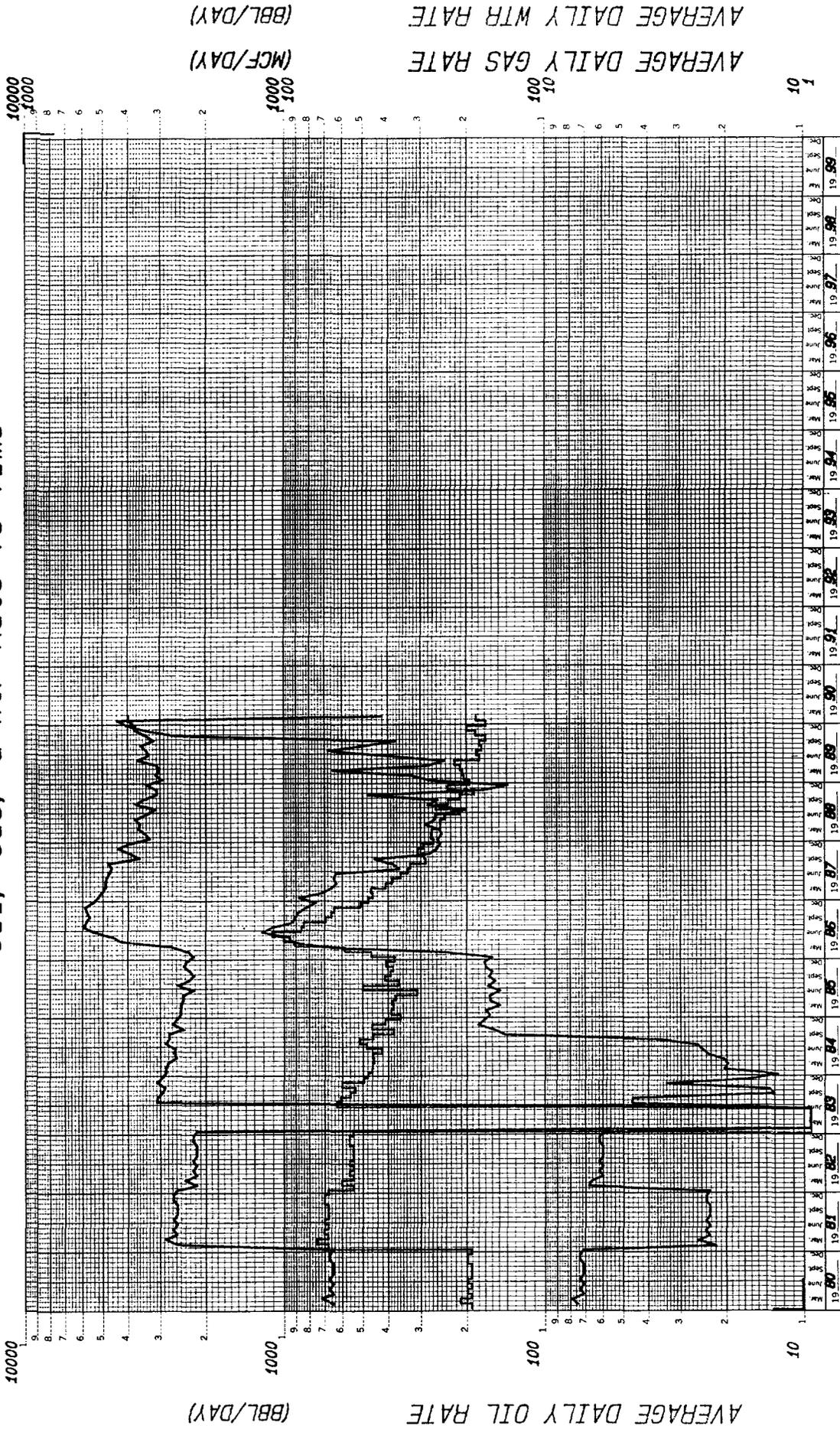
Drilled Wells:

The Lindrith B Unit No. 76 is currently budgeted and scheduled to be spudded by Mid-March. A second well will be considered contingent upon the result of the B-76.

Miscellaneous:

No workovers, conversions or abandonments are anticipated in 1990.

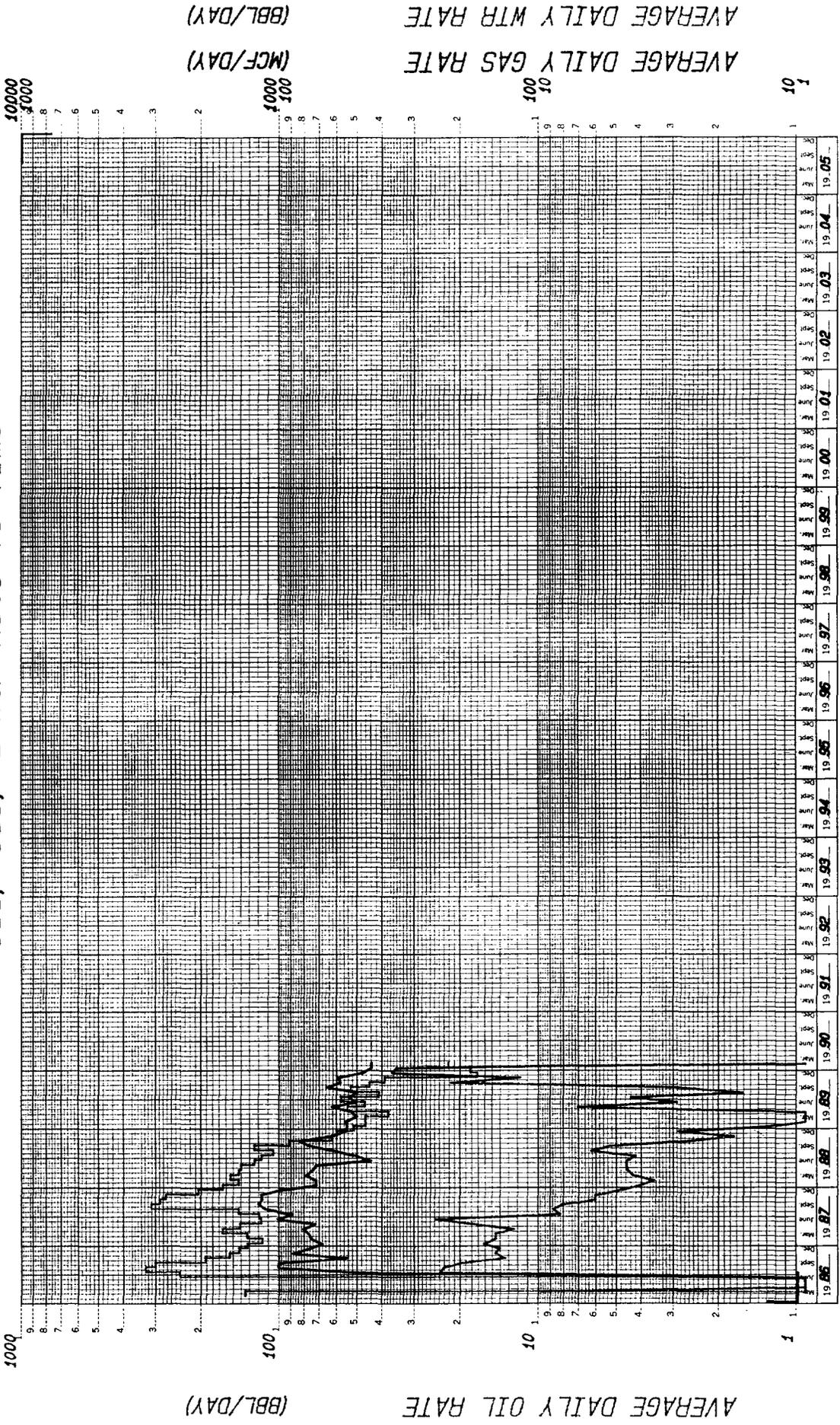
Oil, Gas, & Wtr Rate vs Time



LEGEND	
OIL	—
GAS	—
WTR	—

Mobil Exploration & Producing U.S.	
Midland Division	
Field LINDRITH N. - GALLUP/DAKOTA	
Lease LINDRITH "B"	
Operator MOBIL OPERATED	State
County	Well
Current Date 02-27-90	

Oil, Gas, & Wtr Rate vs Time



Mobil Exploration & Producing U.S.	
Midland Division	
Field GAVILAN - MANCOS/GALLUP	
Lease LINDRITH "B"	
Operator MOBIL OPERATED	State
County	Well
Current Date 02-27-90	

LEGEND
OIL ———
GAS ———
WTR ———

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARriba COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RNG	WELL A TYPE T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	1	NW NW 28 24N-3W	OIL OP	30-039-22137	SF-078914		I. SEC. NO. 713
	10	NW SE 34 24N-3W	OIL OP	30-039-22402	SF-078915		I. SEC. NO. 713
	11	SW SW 16 24N-3W	OIL OP	30-039-22535	SF-078913		I. SEC. NO. 713
	12	SW SW 22 24N-3W	OIL OP	30-039-22550	SF-078914		I. SEC. NO. 713
	13	SW NW 27 24N-3W	OIL OP	30-039-22551	SF-078914		I. SEC. NO. 713
	14	SW NW 16 24N-3W	OIL OP	30-039-22554	SF-078913		I. SEC. NO. 713
	15	SW SE 21 24N-3W	OIL OP	30-039-22555	SF-078913		I. SEC. NO. 713
	16	NE NE 21 24N-3W	OIL OP	30-039-22549	SF-078913		I. SEC. NO. 713
	17	SW SE 16 24N-3W	OIL OP	30-039-22712	SF-078913		I. SEC. NO. 713
	18	SW NW 22 24N-3W	OIL OP	30-039-22713	SF-078913		I. SEC. NO. 713
	19	SW NE 27 24N-3W	OIL OP	30-039-22715	SF-078914		I. SEC. NO. 713
	2	NW SW 28 24N-3W	OIL OP	30-039-22138	SF-078914		I. SEC. NO. 713
	20	SW NW 26 24N-3W	OIL OP	30-039-22714	SF-078914		I. SEC. NO. 713
	21	SW SW 15 24N-3W	OIL OP	30-039-22711	SF-078913		I. SEC. NO. 713
	22	SW NW 15 24N-3W	OIL OP	30-039-23036	SF-078913		I. SEC. NO. 713
	23	SW NE 16 24N-3W	OIL OP	30-039-23037	SF-078913		I. SEC. NO. 713
	24	SE SW 9 24N-3W	OIL OP	30-039-23241	FEE		I. SEC. NO. 713
	25	SW SE 9 24N-3W	DISP S1	30-039-23247	FEE		I. SEC. NO. 713
	26	NW NW 9 24N-3W	OIL OP	30-039-23465	FEE		I. SEC. NO. 713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARriba COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RNG	WELL A TYPE T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	27	SW SW 10 24N-3W	OIL OP	30-039-23609	SF-078912		I.SEC. NO.713
	28	NE NW 16 24N-3W	OIL OP	30-039-23818	SF-078913		I.SEC. NO.713
	29	NE SW 16 24N-3W	OIL OP	30-039-23868	SF-078913		I.SEC. NO.713
	3	SW SW 21 24N-3W	OIL OP	30-039-22278	SF-078913		I.SEC. NO.713
	30	NE SE 16 24N-3W	OIL OP	30-039-23859	SF-078913		I.SEC. NO.713
	31	NE NW 21 24N-3W	OIL OP	30-039-23968	SF-078913		I.SEC. NO.713
	32	SW NE 21 24N-3W	OIL OP	30-039-23924	SF-078913		I.SEC. NO.713
	33	NE SE 21 24N-3W	OIL OP	30-039-23798	SF-078913		I.SEC. NO.713
	35	SW NE 9 24N-3W	OIL OP	30-039-23755	FEE		I.SEC. NO.713
	4	SW NE 24 24N-3W	OIL OP	30-039-22279	SF-078915		I.SEC. NO.713
	40	NE NW 15 24N-3W	OIL OP	30-039-23797	SF-078913		I.SEC. NO.713
	41	NE NE 16 24N-3W	OIL OP	30-039-23840	SF-078913		I.SEC. NO.713
	42	NE SW 15 24N-3W	OIL OP	30-039-23778	SF-078913		I.SEC. NO.713
	44	NE SW 21 24N-3W	OIL OP	30-039-23860	SF-078913		I.SEC. NO.713
	45	NE NW 28 24N-3W	OIL OP	30-039-23873	SF-078914		I.SEC. NO.713
	46	NE NE 28 24N-3W	OIL OP	30-039-23861	SF-078914		I.SEC. NO.713
	5	SW NW 21 24N-3W	OIL OP	30-039-22384	SF-078913		I.SEC. NO.713
	6	SW SE 28 24N-3W	OIL OP	30-039-22424	SF-078914		I.SEC. NO.713
	7	SW NE 28 24N-3W	OIL OP	30-039-22450	SF-078914		I.SEC. NO.713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARriba COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RING	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	8	SW SW 27 24N-3W	OIL	OP 30-039-22422	SF-078914		I.SEC. NO.713
	9	SW SE 27 24N-3W	OIL	OP 30-039-22423	SF-078914		I.SEC. NO.713
	75	SW SE 35 25N-3W	OIL	OP 30-039-24352			I.SEC. NO.713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAVILAN FIELD 02/08/89
 RIO ARRIBA COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RING	WELL A TYPE T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	72	NE NE 8 24N-2W	OIL OP		SF-078908		I. SEC. NO. 713
	73	NE NE 6 24N-2W	OIL OP		SF-078907		I. SEC. NO. 713
	74	NE NE 9 24N-2W	OIL OP		SF-078908		I. SEC. NO. 713
	34	SW NE 32 25N-2W	PROD OP	30-039-23738	SF-078907		I. SEC. NO. 713
	37	SW NE 4 24N-2W	PROD OP	30-039-23816	SF-078907		I. SEC. NO. 713
	38	NE SW 4 24N-2W	PROD OP	30-039-23872	SF-078907		I. SEC. NO. 713

#159

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED

'90 JAN 4 AM 8 38

January 2, 1990

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501-2088

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501-1148

Re: Lindrith B Unit, I Sec. No. 713
First Amendment
1989 Plan of Development
Rio Arriba County, New Mexico

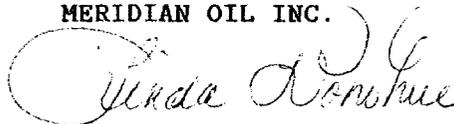
Gentlemen:

The First Amendment of the 1989 Plan of Development for the Lindrith B Unit has been approved by the regulatory agencies as follows:

Bureau of Land Management	12-06-89
Oil Conservation Commission	12-05-89
Commissioner of Public Lands	12-11-89

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,
MERIDIAN OIL INC.



Linda Donohue
Landman

LD:jf
Attachment
Lindrith B Unit, 3.0
13+

LINDRITH B UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Mobil Exploration and Producing

Conoco Inc.

FMP Operating Company

STATE OIL CONSERVATION DIVISION
RECEIVED
Mobil Exploration & Producing U.S. Inc.

'89 NOV 17 AM 8 37

P.O. BOX 5444
DENVER, COLORADO 80217-5444

November 14, 1989

Meridian Oil Inc.
P. O. Box 4289
Farmington, NM 87499

ATTN: Van Goebel
Land Department

REF: Amendment to the
1989 Plan of Development
Lindrith B Unit
I. Section No. 713
Rio Arriba County
New Mexico

Gentleman,

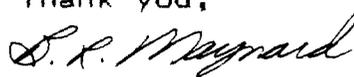
Mobil proposes to amend the 1989 Plan of Development in order to drill the Lindrith 'B' #76. Location of 1150' FNL, 1750' FWL Sec. 1, T-24-N R-3-W

The proposed well will increase oil recovery from this unit by continuing the orderly development of this Dakota/Gallup productivity trend.

As Unit Operator, Meridian Oil Inc. is requested to submit this information to the Bureau of Land Management for their review and approval.

Should you have any questions, please contact P. C. Adams at Area Code (303) 298-2104 or C. N. Eggerman at (303) 298-2346.

Thank you,



B.R. Maynard *QUB*
Regulatory Compliance Mgr.

cc: State Lands Office
P. O. Box 1148
Santa Fe, NM 87504-1148
Attn: Comm. of Public Lands

Bureau of Land Management
434 Montero N.E.
Albuquerque, NM 87107
Attn: Branch of Fluid Min.

APPROVED

APPROVED

State Oil Conservation Div.
P. O. Box 2088
Santa Fe, NM 87501-2088
Attn: Director



11-17-89

APPROVED

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

December 11, 1989

Mobil Exploration and Producing U.S. Inc.
P.O. Box 5444
Denver, Colorado 80217-5444
ATTN: Mr. B.R. Maynard

El Paso Natural Gas Company
P.O. Box 4289
Farmington, New Mexico 87499-4289
ATTN: Mr. Kent Beers

RE: Lindrith B Unit
Rio Arriba County, New Mexico
First Amendment to 1989 Plan of Development

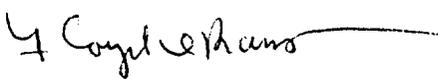
Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned First Amendment to the 1989 Plan of Development for the Lindrith B Unit. Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files. If we may be of further help, please do not hesitate to contact Susan Howarth at (505) 827-5791.

Very truly yours,

W.R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5749

cc: OCD - Santa Fe, New Mexico
BLM
Unit Correspondence File
Unit P.O.D. File

April 14, 1989

Bureau of Land Management
South Central Region
435 Montano, N.E.
Albuquerque, NM 87107

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1989 Drilling Program

Gentlemen:

In our letter dated February 28, 1989, El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Sub-Operator, submitted the 1989 Plan of Development providing for the drilling of no wells during the calendar year 1989.

Mobil Producing Texas and New Mexico, Inc., as Unit Sub-Operator of the Lindrith "B" Unit submits for your information a 1988 Summary of Activity and re-affirms the no well drilling program as originally submitted in our February 28, 1989 letter.

El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Sub-Operator, plan to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Alan Alexander
Attorney-in-Fact 

AA:VLG:gm
Enclosures
Lindrith Unit, 3.0
Document 180+

LINDRITH UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Conoco, Inc.

FMP Operating Co.

Mobil Exploration and Producing

Mobil Exploration & Producing U.S. Inc.

P. O. BOX 5444
DENVER, COLORADO 80217-5444

February 27, 1989

Meridian Oil Inc.
P. O. Box 4289
Farmington, NM 87499

Attention: Van Goebel
Land Department

FIELD REVIEW 1988
PLAN OF DEVELOPMENT 1989
LINDRITH B UNIT
I. SECTION NO. 713
RIO ARRIBA COUNTY
NEW MEXICO

Gentlemen:

Attached is a 1988 Summary of Activity and proposed Plan of Development for the Lindrith B Unit.

As Unit Operator, Meridian Oil Inc. is requested to submit this information to the Bureau of Land Management for their review and approval.

Should you have questions, please direct them to C. N. Eggerman at (303) 298-2346.

Very truly yours,



B. R. Maynard
Regulatory Compliance Manager

CNEggerman:jag
CNE8904
Attachment

cc: State Lands Office
P. O. Box 1148
Santa Fe, NM 87504-1148
Attn: Commission of Public Lands

Bureau of Land Management
434 Montaro N.E.
Albuquerque, NM 87107
Attn: Chief-Branch of Fluid Min

APPROVED

State Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501-2088
Attn: Director

APPROVED

APPROVED

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1988

Mobil Operated - Status as of 12/31/88

<u>Well Status</u>	<u>Dakota</u>	<u>Gallup</u>	<u>Total</u>
Producing	39	6	45
Water Disposal			1

1988 Production

Oil, MBO	99	42	141
Gas, MMCF	1383	353	1736

Cumulative Production

Oil, MBO	1683	163	1846
Gas, MMCF	10757	957	11714

NOTE: Our pre-1987 production data file has been revised. The 1987 annual production was correct, however, the cumulative production as of 12/31/87 should have read as below to give the correct totals.

Cumulative Production (12/31/87)

Oil, MBO	1584	121	1705
Gas, MMCF	9374	604	9978

Production Plots

Attached are performance curves for the Lindrith Unit Mobil Operated Wells through 1988. Gallup (Gavilan-Mancos Pool) and Dakota (West Lindrith Gallup/Dakota Pool) are reported separately.

Operations Review

Drilled Wells:

Approved in 1988, scheduled to drill in early 1989: The Lindrith Unit No. B-75, NE SE Section 35-25N-3W, Proposed Gallup & Dakota Completion.

Workovers:

Seventeen Dakota wells converted to plunger lift from rod pump. Small acid jobs were performed on the Lindrith Unit No's B-14 & B-72.

Conversions:

The Lindrith Unit No. B-25 (formerly TA'd) was converted to water disposal.

Abandonments:

No abandonments were performed in 1988.

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

PLAN OF DEVELOPMENT FOR 1989

Wells to be Drilled (Subject to Partner Approval):

No wells are planned in 1989.

Workovers:

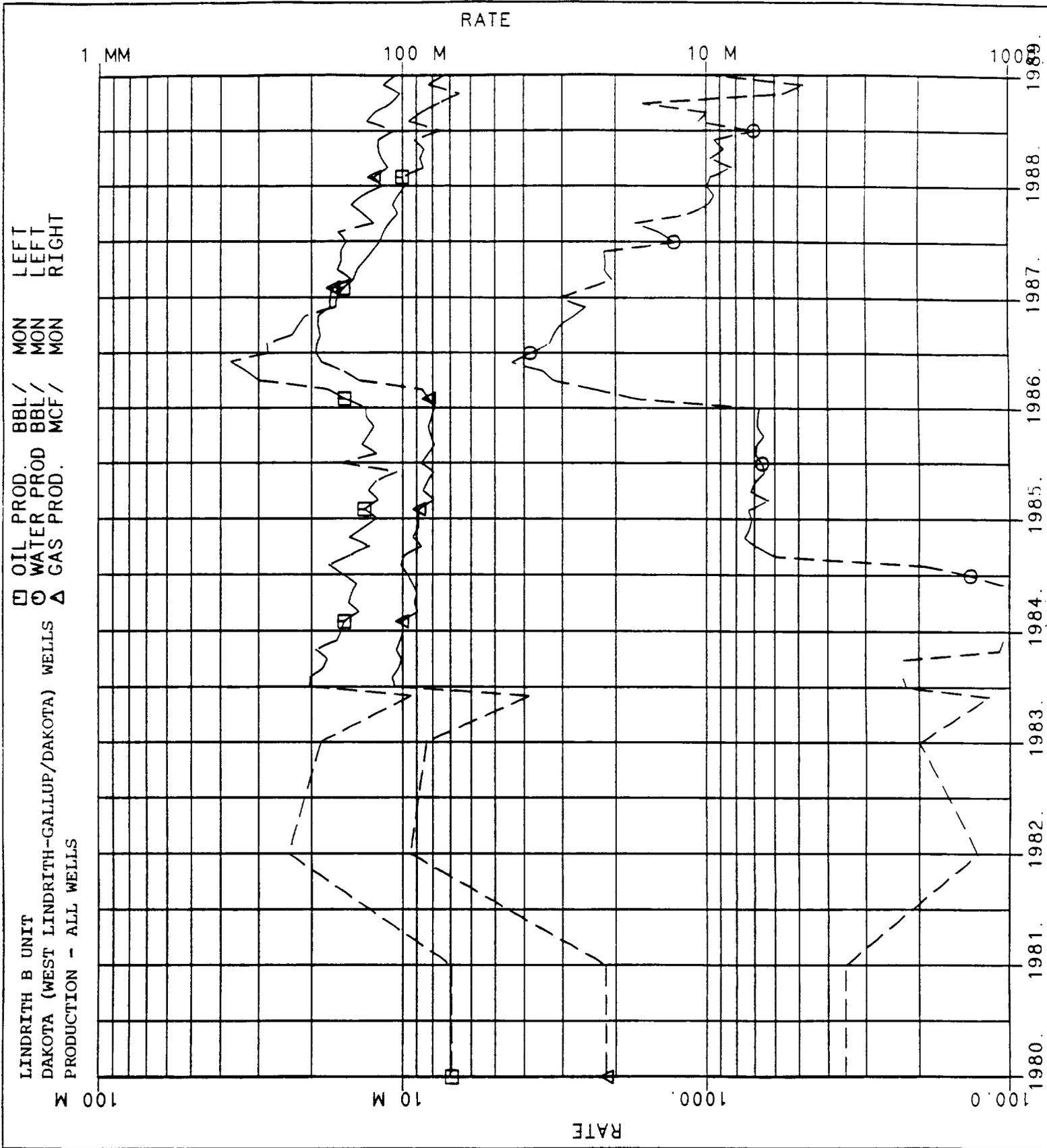
We plan to convert two Dakota wells from rod pump to plunger lift.

Conversions:

No conversions are planned in 1989.

Abandonments:

No abandonments are planned in 1989.



M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARRIBA COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC	TWN	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	1	NW	NW	28 24N-3W	OIL	OP 30-039-22137	SF-078914		I. SEC. NO. 713
	10	NW	SE	34 24N-3W	OIL	OP 30-039-22402	SF-078915		I. SEC. NO. 713
	11	SW	SW	16 24N-3W	OIL	OP 30-039-22535	SF-078913		I. SEC. NO. 713
	12	SW	SW	22 24N-3W	OIL	OP 30-039-22550	SF-078914		I. SEC. NO. 713
	13	SW	NW	27 24N-3W	OIL	OP 30-039-22551	SF-078914		I. SEC. NO. 713
	14	SW	NW	16 24N-3W	OIL	OP 30-039-22554	SF-078913		I. SEC. NO. 713
	15	SW	SE	21 24N-3W	OIL	OP 30-039-22555	SF-078913		I. SEC. NO. 713
	16	NE	NE	21 24N-3W	OIL	OP 30-039-22549	SF-078913		I. SEC. NO. 713
	17	SW	SE	16 24N-3W	OIL	OP 30-039-22712	SF-078913		I. SEC. NO. 713
	18	SW	NW	22 24N-3W	OIL	OP 30-039-22713	SF-078913		I. SEC. NO. 713
	19	SW	NE	27 24N-3W	OIL	OP 30-039-22715	SF-078914		I. SEC. NO. 713
	2	NW	SW	28 24N-3W	OIL	OP 30-039-22138	SF-078914		I. SEC. NO. 713
	20	SW	NW	26 24N-3W	OIL	OP 30-039-22714	SF-078914		I. SEC. NO. 713
	21	SW	SW	15 24N-3W	OIL	OP 30-039-22711	SF-078913		I. SEC. NO. 713
	22	SW	NW	15 24N-3W	OIL	OP 30-039-23036	SF-078913		I. SEC. NO. 713
	23	SW	NE	16 24N-3W	OIL	OP 30-039-23037	SF-078913		I. SEC. NO. 713
	24	SE	SW	9 24N-3W	OIL	OP 30-039-23241	FEE		I. SEC. NO. 713
	25	SW	SE	9 24N-3W	DISP	SI 30-039-23247	FEE		I. SEC. NO. 713
	26	NW	NW	9 24N-3W	OIL	OP 30-039-23465	FEE		I. SEC. NO. 713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARriba COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RNG	WELL A TYPE T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	27	SW SW 10 24N-3W	OIL OP	30-039-23609	SF-078912		I. SEC. NO. 713
	28	NE NW 16 24N-3W	OIL OP	30-039-23818	SF-078913		I. SEC. NO. 713
	29	NE SW 16 24N-3W	OIL OP	30-039-23868	SF-078913		I. SEC. NO. 713
	3	SW SW 21 24N-3W	OIL OP	30-039-22278	SF-078913		I. SEC. NO. 713
	30	NE SE 16 24N-3W	OIL OP	30-039-23859	SF-078913		I. SEC. NO. 713
	31	NE NW 21 24N-3W	OIL OP	30-039-23968	SF-078913		I. SEC. NO. 713
	32	SW NE 21 24N-3W	OIL OP	30-039-23924	SF-078913		I. SEC. NO. 713
	33	NE SE 21 24N-3W	OIL OP	30-039-23798	SF-078913		I. SEC. NO. 713
	35	SW NE 9 24N-3W	OIL OP	30-039-23755	FEE		I. SEC. NO. 713
	4	SW NE 24 24N-3W	OIL OP	30-039-22279	SF-078915		I. SEC. NO. 713
	40	NE NW 15 24N-3W	OIL OP	30-039-23797	SF-078913		I. SEC. NO. 713
	41	NE NE 16 24N-3W	OIL OP	30-039-23840	SF-078913		I. SEC. NO. 713
	42	NE SW 15 24N-3W	OIL OP	30-039-23778	SF-078913		I. SEC. NO. 713
	44	NE SW 21 24N-3W	OIL OP	30-039-23860	SF-078913		I. SEC. NO. 713
	45	NE NW 28 24N-3W	OIL OP	30-039-23873	SF-078914		I. SEC. NO. 713
	46	NE NE 28 24N-3W	OIL OP	30-039-23861	SF-078914		I. SEC. NO. 713
	5	SW NW 21 24N-3W	OIL OP	30-039-22384	SF-078913		I. SEC. NO. 713
	6	SW SE 28 24N-3W	OIL OP	30-039-22424	SF-078914		I. SEC. NO. 713
	7	SW NE 28 24N-3W	OIL OP	30-039-22450	SF-078914		I. SEC. NO. 713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARriba COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	8	SW SW 27 24N-3W	OIL	OP 30-039-22422	SF-078914		I.SEC. NO.713
	9	SW SE 27 24N-3W	OIL	OP 30-039-22423	SF-078914		I.SEC. NO.713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAVILAN FIELD 02/08/89
 RIO ARriba COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RING	WELL A TYPE T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	72	NE NE 8 24N-2W	OIL OP		SF-078908		I. SEC. NO. 713
	73	NE NE 6 24N-2W	OIL OP		SF-078907		I. SEC. NO. 713
	74	NE NE 9 24N-2W	OIL OP		SF-078908		I. SEC. NO. 713
	34	SW NE 32 25N-2W	PROD OP	30-039-23738	SF-078907		I. SEC. NO. 713
	37	SW NE 4 24N-2W	PROD OP	30-039-23816	SF-078907		I. SEC. NO. 713
	38	NE SW 4 24N-2W	PROD OP	30-039-23872	SF-078907		I. SEC. NO. 713

El Paso
Natural Gas Company

P.O. Box 4289
SARASOTA, FLORIDA 34234
PHONE (813) 551-1341

APR 2 1989
OIL CONSERVATION

April 14, 1989

Bureau of Land Management
South Central Region
435 Montano, N.E.
Albuquerque, NM 87107

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1989 Drilling Program

Gentlemen:

In our letter dated February 28, 1989, El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Sub-Operator, submitted the 1989 Plan of Development providing for the drilling of no wells during the calendar year 1989.

Mobil Producing Texas and New Mexico, Inc., as Unit Sub-Operator of the Lindrith "B" Unit submits for your information a 1988 Summary of Activity and re-affirms the no well drilling program as originally submitted in our February 28, 1989 letter.

El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Sub-Operator, plan to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Alan Alexander
Attorney-in-Fact

AA:VLG:gm
Enclosures
Lindrith Unit, 3.0
Document 180+

LINDRITH UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Conoco, Inc.

FMP Operating Co.

Mobil Exploration and Producing

Mobil Exploration & Producing U.S. Inc.

P.O. BOX 5444
DENVER, COLORADO 80217-5444

February 27, 1989

Meridian Oil Inc.
P. O. Box 4289
Farmington, NM 87499

Attention: Van Goebel
Land Department

FIELD REVIEW 1988
PLAN OF DEVELOPMENT 1989
LINDRITH B UNIT
I. SECTION NO. 713
RIO ARRIBA COUNTY
NEW MEXICO

Gentlemen:

Attached is a 1988 Summary of Activity and proposed Plan of Development for the Lindrith B Unit.

As Unit Operator, Meridian Oil Inc. is requested to submit this information to the Bureau of Land Management for their review and approval.

Should you have questions, please direct them to C. N. Eggerman at (303) 298-2346.

Very truly yours,



B. R. Maynard
Regulatory Compliance Manager

CNEggerman:jag
CNE8904
Attachment

cc: State Lands Office
P. O. Box 1148
Santa Fe, NM 87504-1148
Attn: Commission of Public Lands

Bureau of Land Management
434 Montaro N.E.
Albuquerque, NM 87107
Attn: Chief-Branch of Fluid Min

APPROVED

State Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501-2088
Attn: Director

APPROVED

APPROVED

LINDRITH B UNIT - RIO ARriba COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1988

Mobil Operated - Status as of 12/31/88

<u>Well Status</u>	<u>Dakota</u>	<u>Gallup</u>	<u>Total</u>
Producing	39	6	45
Water Disposal			1

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Cumulative Production

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Operations Review

Drilled Wells:

Approved in 1988, scheduled to drill in early 1989: The Lindrith Unit No. B-75, NE SE Section 35-25N-3W, Proposed Gallup & Dakota Completion.

Workovers:

Seventeen Dakota wells converted to plunger lift from rod pump. Small acid jobs were performed on the Lindrith Unit No's B-14 & B-72.

Conversions:

The Lindrith Unit No. B-25 (formerly TA'd) was converted to water disposal.

Abandonments:

No abandonments were performed in 1988.

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

PLAN OF DEVELOPMENT FOR 1989

Wells to be Drilled (Subject to Partner Approval):

No wells are planned in 1989.

Workovers:

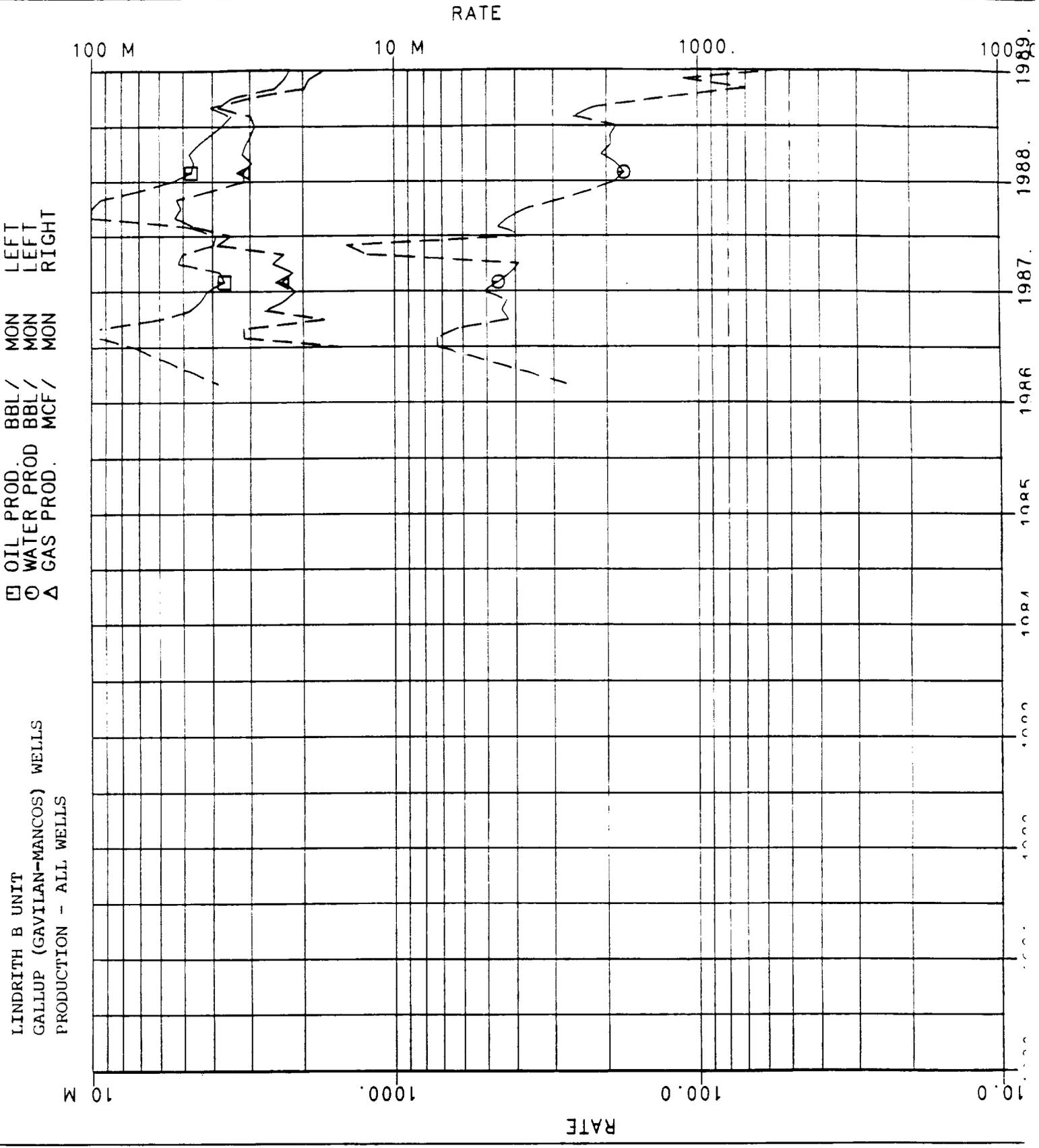
We plan to convert two Dakota wells from rod pump to plunger lift.

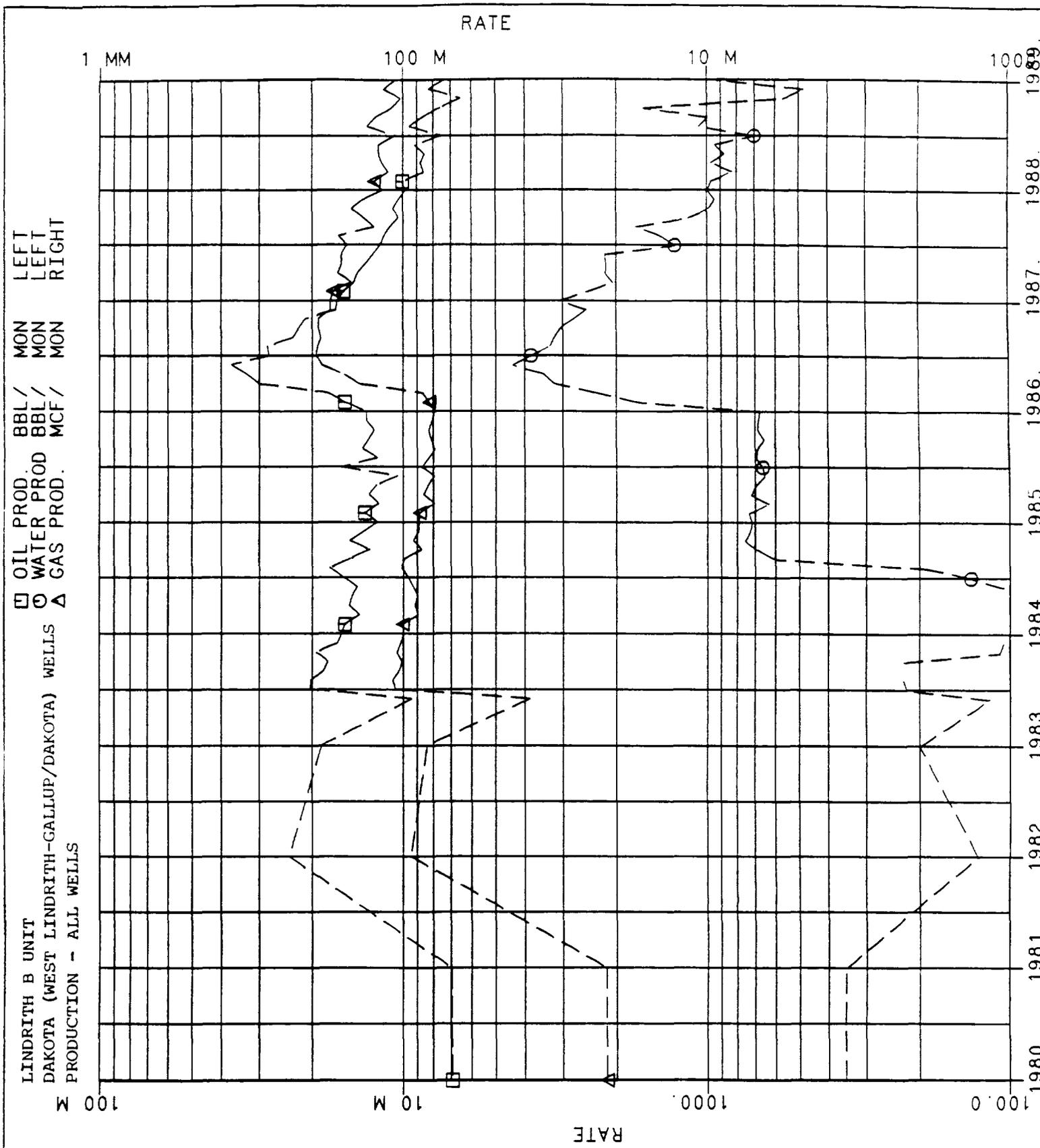
Conversions:

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Abandonments:

No abandonments are planned in 1989.





M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARriba COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	1	NW NW 28 24N-3W	OIL OP	30-039-22137	SF-078914		I. SEC. NO. 713
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	11	SW SW 16 24N-3W	OIL OP	30-039-22535	SF-078913		I. SEC. NO. 713
	12	SW SW 22 24N-3W	OIL OP	30-039-22550	SF-078914		I. SEC. NO. 713
	13	SW NW 27 24N-3W	OIL OP	30-039-22551	SF-078914		I. SEC. NO. 713
	14	SW NW 16 24N-3W	OIL OP	30-039-22554	SF-078913		I. SEC. NO. 713
	15	SW SE 21 24N-3W	OIL OP	30-039-22555	SF-078913		I. SEC. NO. 713
	16	NE NE 21 24N-3W	OIL OP	30-039-22549	SF-078913		I. SEC. NO. 713
	17	SW SE 16 24N-3W	OIL OP	30-039-22712	SF-078913		I. SEC. NO. 713
	18	SW NW 22 24N-3W	OIL OP	30-039-22713	SF-078913		I. SEC. NO. 713
	19	SW NE 27 24N-3W	OIL OP	30-039-22715	SF-078914		I. SEC. NO. 713
	2	NW SW 28 24N-3W	OIL OP	30-039-22138	SF-078914		I. SEC. NO. 713
	20	SW NW 26 24N-3W	OIL OP	30-039-22714	SF-078914		I. SEC. NO. 713
	21	SW SW 15 24N-3W	OIL OP	30-039-22711	SF-078913		I. SEC. NO. 713
	22	SW NW 15 24N-3W	OIL OP	30-039-23036	SF-078913		I. SEC. NO. 713
	23	SW NE 16 24N-3W	OIL OP	30-039-23037	SF-078913		I. SEC. NO. 713
	24	SE SW 9 24N-3W	OIL OP	30-039-23241	FEE		I. SEC. NO. 713
	25	SW SE 9 24N-3W	DISP SI	30-039-23247	FEE		I. SEC. NO. 713
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M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARRIBA COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC	TWN	RNG	S T		FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
					WELL TYPE	API NUMBER			
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	29	NE	SW	16	24N-3W	OIL	OP 30-039-23868 SF-078913		I. SEC. NO. 713
	3	SW	SW	21	24N-3W	OIL	OP 30-039-22278 SF-078913		I. SEC. NO. 713
	30	NE	SE	16	24N-3W	OIL	OP 30-039-23859 SF-078913		I. SEC. NO. 713
	31	NE	NW	21	24N-3W	OIL	OP 30-039-23968 SF-078913		I. SEC. NO. 713
	32	SW	NE	21	24N-3W	OIL	OP 30-039-23924 SF-078913		I. SEC. NO. 713
	33	NE	SE	21	24N-3W	OIL	OP 30-039-23798 SF-078913		I. SEC. NO. 713
	35	SW	NE	9	24N-3W	OIL	OP 30-039-23755 FEE		I. SEC. NO. 713
	4	SW	NE	24	24N-3W	OIL	OP 30-039-22279 SF-078915		I. SEC. NO. 713
	40	NE	NW	15	24N-3W	OIL	OP 30-039-23797 SF-078913		I. SEC. NO. 713
	41	NE	NE	16	24N-3W	OIL	OP 30-039-23840 SF-078913		I. SEC. NO. 713
	42	NE	SW	15	24N-3W	OIL	OP 30-039-23778 SF-078913		I. SEC. NO. 713
	44	NE	SW	21	24N-3W	OIL	OP 30-039-23860 SF-078913		I. SEC. NO. 713
	45	NE	NW	28	24N-3W	OIL	OP 30-039-23873 SF-078914		I. SEC. NO. 713
	46	NE	NE	28	24N-3W	OIL	OP 30-039-23861 SF-078914		I. SEC. NO. 713
	5	SW	NW	21	24N-3W	OIL	OP 30-039-22384 SF-078913		I. SEC. NO. 713
6	SW	SE	28	24N-3W	OIL	OP 30-039-22424 SF-078914		I. SEC. NO. 713	
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M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARRIBA COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RNG	WELL A TYPE T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	8	SW SW 27 24N-3W	01L OP	30-039-22422	SF-078914		I. SEC. NO. 713
	9	SW SE 27 24N-3W	01L OP	30-039-22423	SF-078914		I. SEC. NO. 713

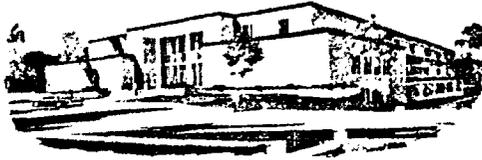
M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAVILAN FIELD 02/08/89
 RIO ARRIBA COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RNG	WELL A TYPE T	S T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	72	NE NE 8 24N-2W	OIL OP			SF-078908		I. SEC. NO. 713
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	34	SW NE 32 25N-2W	PROD OP		30-039-23738	SF-078907		I. SEC. NO. 713
	37	SW NE 4 24N-2W	PROD OP		30-039-23816	SF-078907		I. SEC. NO. 713
	38	NE SW 4 24N-2W	PROD OP		30-039-23872	SF-078907		I. SEC. NO. 713

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

April 5, 1989

Mobil Exploration and Producing U.S. Inc.
P.O. Box 5444
Denver, Colorado 80217-5444

ATTN: B.R. Maynard

RE: 1989 Plan of Development
Lindrith B Unit
Rio Arriba County, New Mexico

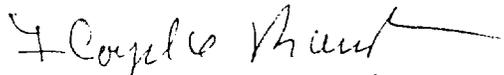
Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned 1989 Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files. If we may be of further help, please do not hesitate to contact us.

Very truly yours,

W.R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS


BY: FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5749

Mobil Exploration & Producing U.S. Inc.

P. O. BOX 5444
DENVER, COLORADO 80217-5444

February 27, 1989

Meridian Oil Inc.
P. O. Box 4289
Farmington, NM 87499

Attention: Van Goebel
Land Department



FIELD REVIEW 1988
PLAN OF DEVELOPMENT
LINDRITH B UNIT
I. SECTION NO. 713
RIO ARRIBA COUNTY
NEW MEXICO

Gentlemen:

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As Unit Operator, Meridian Oil Inc. is requested to submit this information to the Bureau of Land Management for their review and approval.

Should you have questions, please direct them to C. N. Eggerman at (303) 298-2346.

Very truly yours,

A handwritten signature in cursive script that reads "B. R. Maynard".

B. R. Maynard
Regulatory Compliance Manager

CNEggerman:jag
CNE8904
Attachment

cc: State Lands Office
P. O. Box 1148
Santa Fe, NM 87504-1148
Attn: Commission of Public Lands

Bureau of Land Management
434 Montaro N.E.
Albuquerque, NM 87107
Attn: Chief-Branch of Fluid Min

APPROVED

State Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501-2088
Attn: Director

A handwritten signature in cursive script, likely belonging to the State Oil Conservation Division Director.

APPROVED

APPROVED

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1988

Mobil Operated - Status as of 12/31/88

<u>Well Status</u>	<u>Dakota</u>	<u>Gallup</u>	<u>Total</u>
Producing	39	6	45
Water Disposal			1

1988 Production

Oil, MBO	99	42	141
Gas, MMCF	1383	353	1736

Cumulative Production

Oil, MBO	1683	163	1846
Gas, MMCF	10757	957	11714

NOTE: Our pre-1987 production data file has been revised. The 1987 annual production was correct, however, the cumulative production as of 12/31/87 should have read as below to give the correct totals.

Cumulative Production (12/31/87)

Oil, MBO	1584	121	1705
Gas, MMCF	9374	604	9978

Production Plots

Attached are performance curves for the Lindrith Unit Mobil Operated Wells through 1988. Gallup (Gavilan-Mancos Pool) and Dakota (West Lindrith Gallup/Dakota Pool) are reported separately.

Operations Review

Drilled Wells:

Approved in 1988, scheduled to drill in early 1989: The Lindrith Unit No. B-75, NE SE Section 35-25N-3W, Proposed Gallup & Dakota Completion.

Workovers:

Seventeen Dakota wells converted to plunger lift from rod pump. Small acid jobs were performed on the Lindrith Unit No's B-14 & B-72.

Conversions:

The Lindrith Unit No. B-25 (formerly TA'd) was converted to water disposal.

Abandonments:

No abandonments were performed in 1988.

LINDRITH B UNIT - RIO ARriba COUNTY, NEW MEXICO

PLAN OF DEVELOPMENT FOR 1989

Wells to be Drilled (Subject to Partner Approval):

No wells are planned in 1989.

Workovers:

We plan to convert two Dakota wells from rod pump to plunger lift.

Conversions:

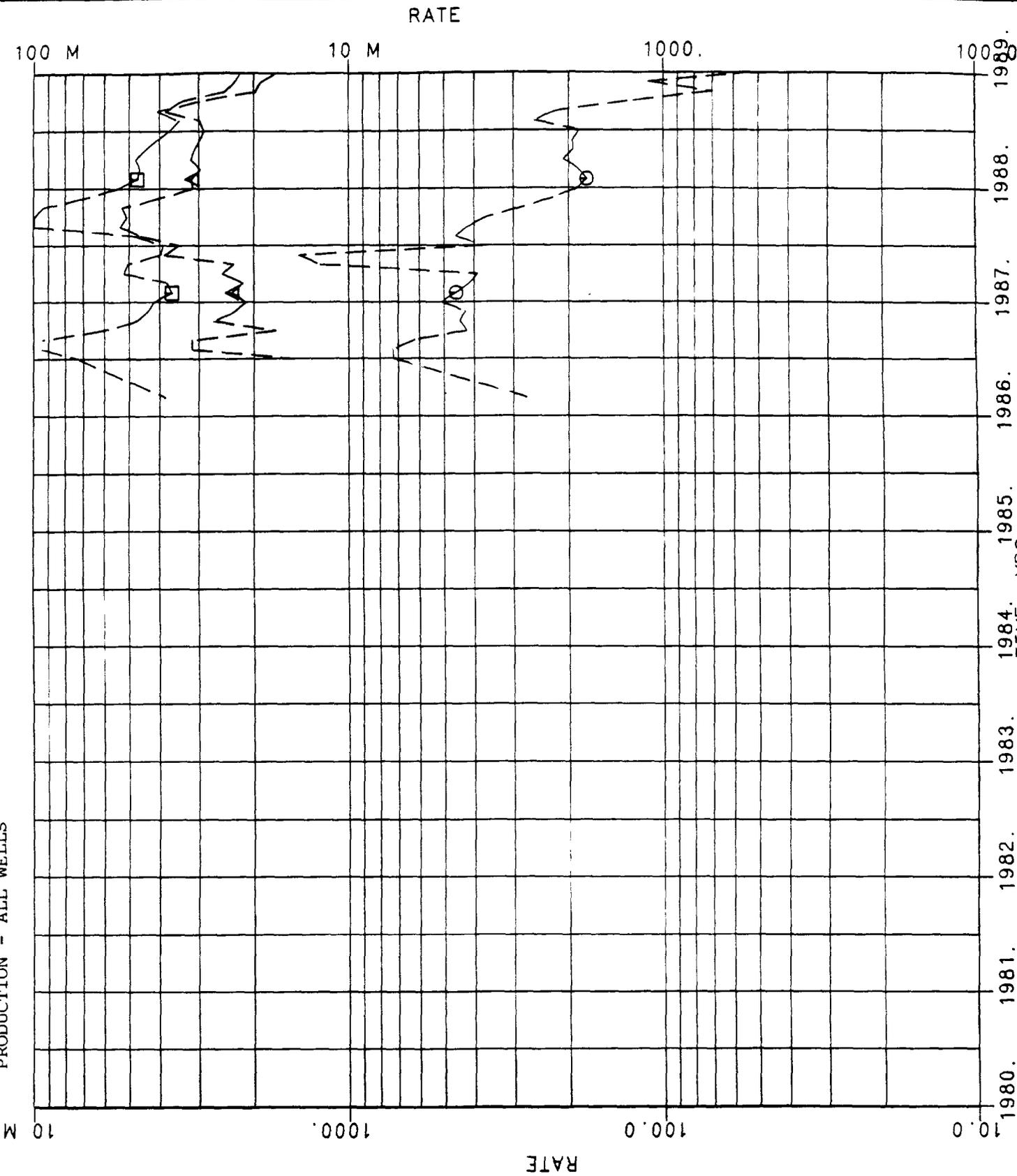
No conversions are planned in 1989.

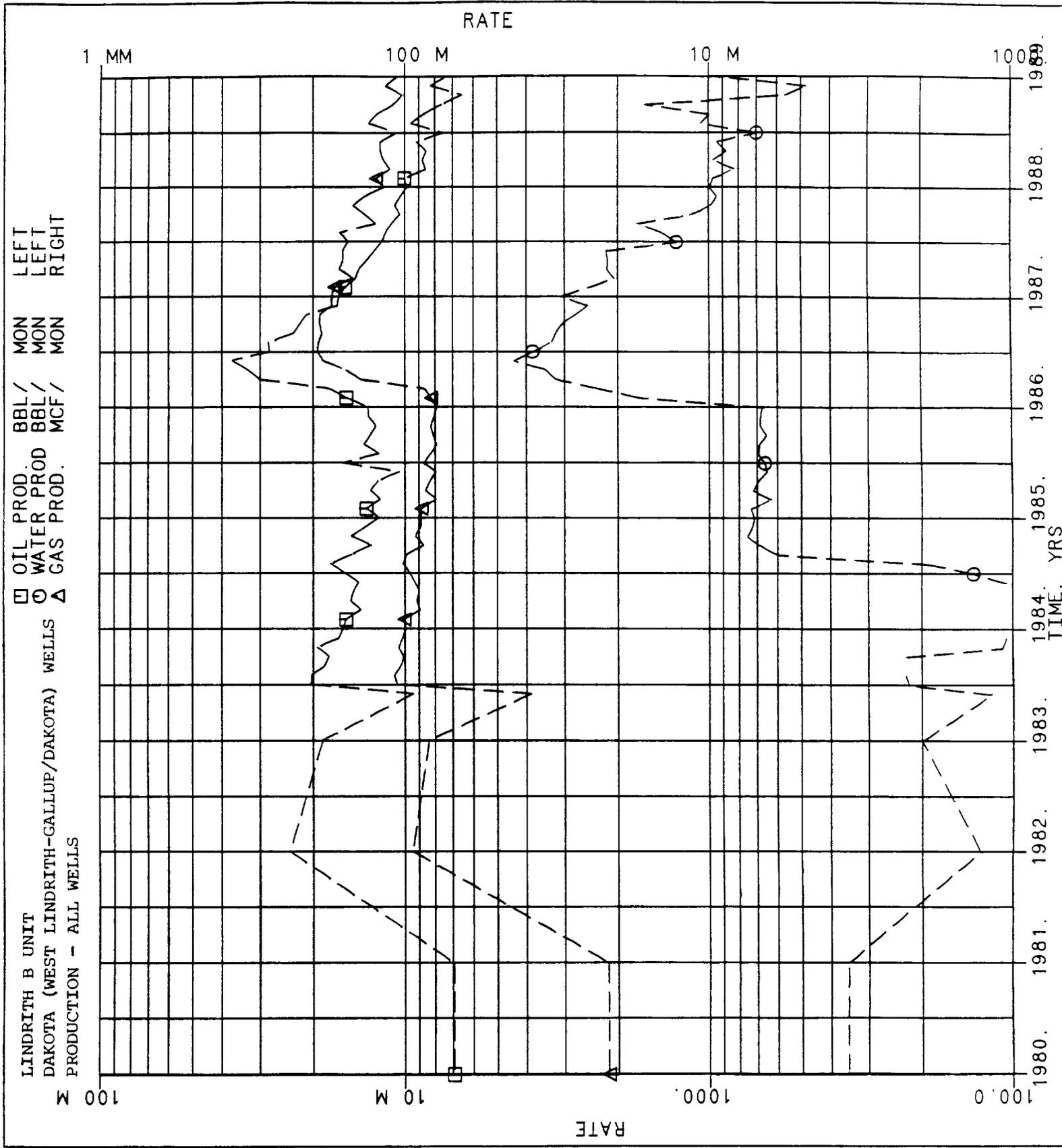
Abandonments:

No abandonments are planned in 1989.

LINDRITH B UNIT
 GALLUP (GAVILAN-MANCOS) WELLS
 PRODUCTION - ALL WELLS

□ OIL PROD. BBL/ MON LEFT
 ○ WATER PROD. BBL/ MON LEFT
 △ GAS PROD. MCF/ MON RIGHT





M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARriba COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC	TWNSHP	RNG	WELL TYPE	A	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	1	NW	NW	28	24N-3W	OIL	OP	30-039-22137 SF-078914		I. SEC. NO. 713
	10	NW	SE	34	24N-3W	OIL	OP	30-039-22402 SF-078915		I. SEC. NO. 713
	11	SW	SW	16	24N-3W	OIL	OP	30-039-22535 SF-078913		I. SEC. NO. 713
	12	SW	SW	22	24N-3W	OIL	OP	30-039-22550 SF-078914		I. SEC. NO. 713
	13	SW	NW	27	24N-3W	OIL	OP	30-039-22551 SF-078914		I. SEC. NO. 713
	14	SW	NW	16	24N-3W	OIL	OP	30-039-22554 SF-078913		I. SEC. NO. 713
	15	SW	SE	21	24N-3W	OIL	OP	30-039-22555 SF-078913		I. SEC. NO. 713
	16	NE	NE	21	24N-3W	OIL	OP	30-039-22549 SF-078913		I. SEC. NO. 713
	17	SW	SE	16	24N-3W	OIL	OP	30-039-22712 SF-078913		I. SEC. NO. 713
	18	SW	NW	22	24N-3W	OIL	OP	30-039-22713 SF-078913		I. SEC. NO. 713
	19	SW	NE	27	24N-3W	OIL	OP	30-039-22715 SF-078914		I. SEC. NO. 713
	2	NW	SW	28	24N-3W	OIL	OP	30-039-22138 SF-078914		I. SEC. NO. 713
	20	SW	NW	26	24N-3W	OIL	OP	30-039-22714 SF-078914		I. SEC. NO. 713
	21	SW	SW	15	24N-3W	OIL	OP	30-039-22711 SF-078913		I. SEC. NO. 713
	22	SW	NW	15	24N-3W	OIL	OP	30-039-23036 SF-078913		I. SEC. NO. 713
	23	SW	NE	16	24N-3W	OIL	OP	30-039-23037 SF-078913		I. SEC. NO. 713
	24	SE	SW	9	24N-3W	OIL	OP	30-039-23241 FEE		I. SEC. NO. 713
	25	SW	SE	9	24N-3W	DISP	SI	30-039-23247 FEE		I. SEC. NO. 713
	26	NW	NW	9	24N-3W	OIL	OP	30-039-23465 FEE		I. SEC. NO. 713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARRIBA COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC	TWN	RNG	WELL A		FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
					TYPE	API NUMBER			
LINDRITH B UNIT	27	SW	SW	10	24N-3W	OIL	OP 30-039-23609 SF-078912	I.SEC.	NO.713
	28	NE	NW	16	24N-3W	OIL	OP 30-039-23818 SF-078913	I.SEC.	NO.713
	29	NE	SW	16	24N-3W	OIL	OP 30-039-23868 SF-078913	I.SEC.	NO.713
	3	SW	SW	21	24N-3W	OIL	OP 30-039-22278 SF-078913	I.SEC.	NO.713
	30	NE	SE	16	24N-3W	OIL	OP 30-039-23859 SF-078913	I.SEC.	NO.713
	31	NE	NW	21	24N-3W	OIL	OP 30-039-23968 SF-078913	I.SEC.	NO.713
	32	SW	NE	21	24N-3W	OIL	OP 30-039-23924 SF-078913	I.SEC.	NO.713
	33	NE	SE	21	24N-3W	OIL	OP 30-039-23798 SF-078913	I.SEC.	NO.713
	35	SW	NE	9	24N-3W	OIL	OP 30-039-23755 FEE	I.SEC.	NO.713
	4	SW	NE	24	24N-3W	OIL	OP 30-039-22279 SF-078915	I.SEC.	NO.713
	40	NE	NW	15	24N-3W	OIL	OP 30-039-23797 SF-078913	I.SEC.	NO.713
	41	NE	NE	16	24N-3W	OIL	OP 30-039-23840 SF-078913	I.SEC.	NO.713
	42	NE	SW	15	24N-3W	OIL	OP 30-039-23778 SF-078913	I.SEC.	NO.713
	44	NE	SW	21	24N-3W	OIL	OP 30-039-23860 SF-078913	I.SEC.	NO.713
	45	NE	NW	28	24N-3W	OIL	OP 30-039-23873 SF-078914	I.SEC.	NO.713
	46	NE	NE	28	24N-3W	OIL	OP 30-039-23861 SF-078914	I.SEC.	NO.713
	5	SW	NW	21	24N-3W	OIL	OP 30-039-22384 SF-078913	I.SEC.	NO.713
	6	SW	SE	28	24N-3W	OIL	OP 30-039-22424 SF-078914	I.SEC.	NO.713
	7	SW	NE	28	24N-3W	OIL	OP 30-039-22450 SF-078914	I.SEC.	NO.713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/08/89
 RIO ARRIBA COUNTY, NEW MEXICO

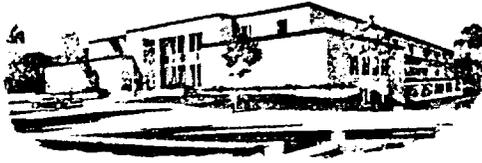
PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RING	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	8	SW SW 27 24N-3W	OIL	OP 30-039-22422	SF-078914		I.SEC. NO.713
	9	SW SE 27 24N-3W	OIL	OP 30-039-22423	SF-078914		I.SEC. NO.713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAVILAN FIELD 02/08/89
 RIO ARriba COUNTY, NEW MEXICO

PROPERTY NAME	WELL NUMBER	SEC TOWNSHIP RANG	WELL A TYPE T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT	72	NE NE 8 24N-2W	OIL OP		SF-078908		I. SEC. NO. 713
	73	NE NE 6 24N-2W	OIL OP		SF-078907		I. SEC. NO. 713
	74	NE NE 9 24N-2W	OIL OP		SF-078908		I. SEC. NO. 713
	34	SW NE 32 25N-2W	PROD OP	30-039-23738	SF-078907		I. SEC. NO. 713
	37	SW NE 4 24N-2W	PROD OP	30-039-23816	SF-078907		I. SEC. NO. 713
	38	NE SW 4 24N-2W	PROD OP	30-039-23872	SF-078907		I. SEC. NO. 713

State of New Mexico

#159



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

April 5, 1989

El Paso Natural Gas Company
P.O. Box 4289
Farmington, New Mexico 87499

ATTN: Alan Alexander

RE: 1989 Plan of Development
Lindrith Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned 1989 Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files. If we may be of further help, please do not hesitate to contact us.

Very truly yours,

W.R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

A handwritten signature in cursive script, appearing to read "Floyd O. Prando".

BY: FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5749

February 28, 1989

Bureau of Land Management
South Central Region
435 Montano, N.E.
Albuquerque, NM 87107

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1989 Drilling Program

Gentlemen:

By letters dated February 28, 1988 and May 10, 1988, El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Unit Sub-Operator, submitted Drilling Programs and First Amendment providing for the drilling of one (1) Gallup/Dakota well during 1988.

As of this date, the total number of wells in this Unit is as follows:

Pictured Cliffs, Commercial	93
Pictured Cliffs, Non-Commercial	5
Pictured Cliffs, Being Evaluated	8
Pictured Cliffs, Plugged & Abandoned	<u>9</u>
	115

LINDRITH "B" UNIT

By Designation of Sub-Operator, dated May 7, 1979, El Paso Natural Gas Company designated Mobil Oil Corporation as Operator of the LINDRITH Unit for all formations below the base of the Pictured Cliffs formation (except as to the Dakota formation in the W/2 Section 34, T-24-N, R-3-W).

February 28, 1989

As of this date the total number of wells in the Lindrith "B" Unit is as follows:

Chacon Dakota	40
Dakota, Non-Commercial, Temporarily Abandoned	1
Dakota, Plugged and Abandoned	1
Gallup, Being Evaluated	7
Gallup, Non-Commercial	<u>1</u>
	50

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Unit Operator, of the Lindrith Unit and on behalf of Mobil Producing Texas & New Mexico, Inc., successor to Mobil Oil Corporation as Sub-Operator of the Lindrith Unit, respectfully submits for your approval the 1989 Plan of Development providing for the drilling of no wells during calendar year 1989.

All working interest owners have been contacted regarding this Drilling Program. El Paso Natural Gas Company, as Unit Operator; Mobil Producing Texas and New Mexico, Inc., as Sub-Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Sub-Operator, plan to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

Attached are Participating Area Maps for the Pictured Cliffs and Dakota formations. The geologic interpretation for each formation has not changed since the last map submitted. Performance curves for each Participating Area have also previously been furnished.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Yours very truly


 Alan Alexander
 Attorney-in-Fact

1328

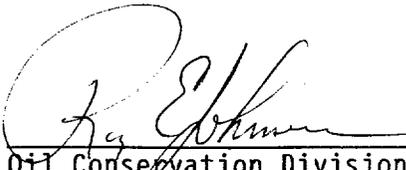
AA:VLG:gm
 Enclosures
 Lindrith Unit, 3.0
 Doc. 180+

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 3-20-89

The foregoing approvals for the 1989 Drilling Program for the Lindrith Unit, I
Section No. 713, Rio Arriba County, New Mexico

LINDRITH UNIT
WORKING INTEREST OWNERS

Conoco, Inc.

FMP Operating Co.

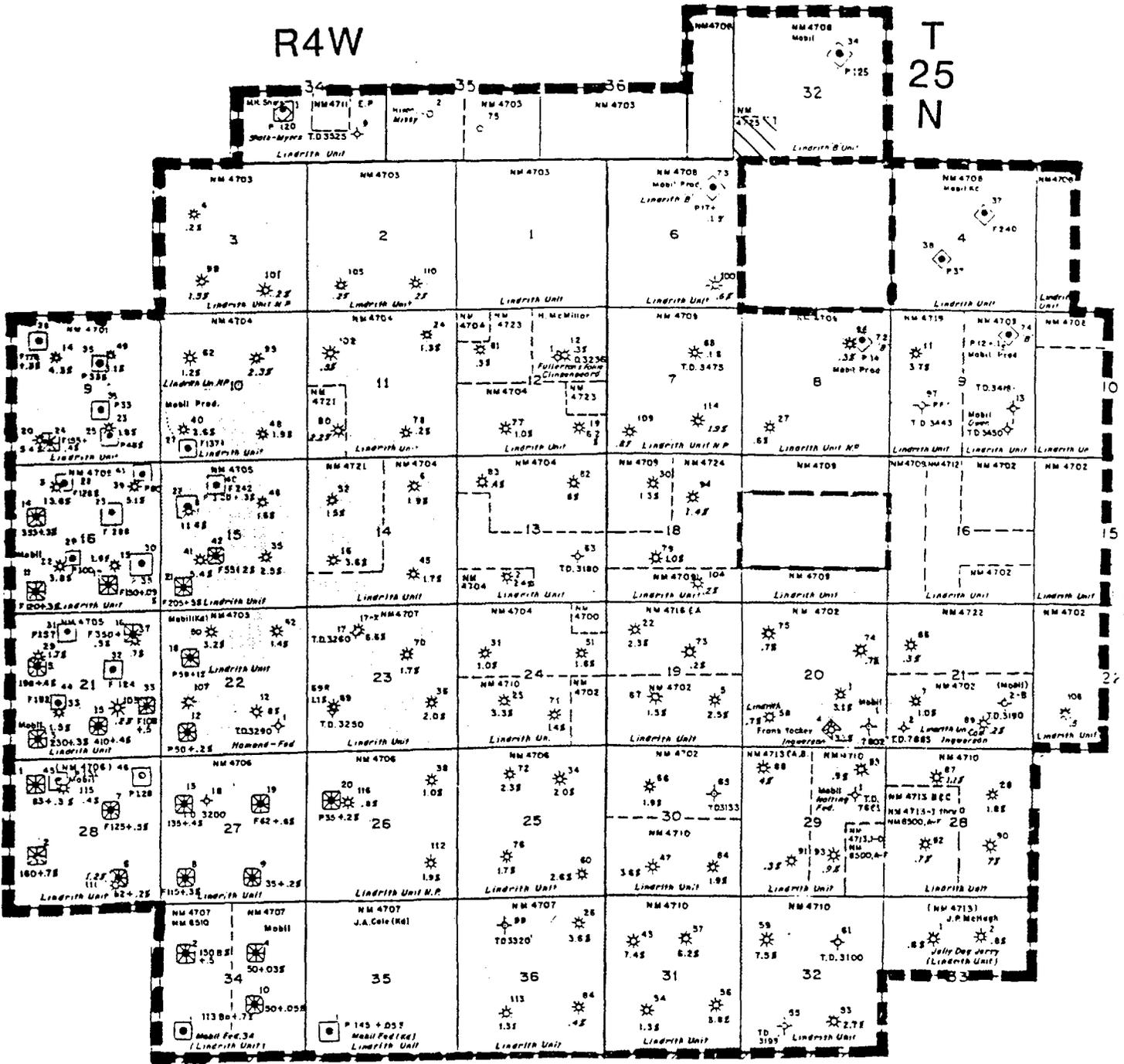
Mobil Exploration and Producing

Tenneco Oil Company

R3W

R4W

T 25 N



T 24 N

LINDRITH UNIT

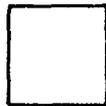
☀ Pictured Cliffs

☼ Chacra

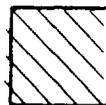
⊗ Mesaverde

◇ Gallup

⊠ Dakota



PICTURED CLIFFS PARTICIPATING AREA
30th Expansion Effective 10/1/82



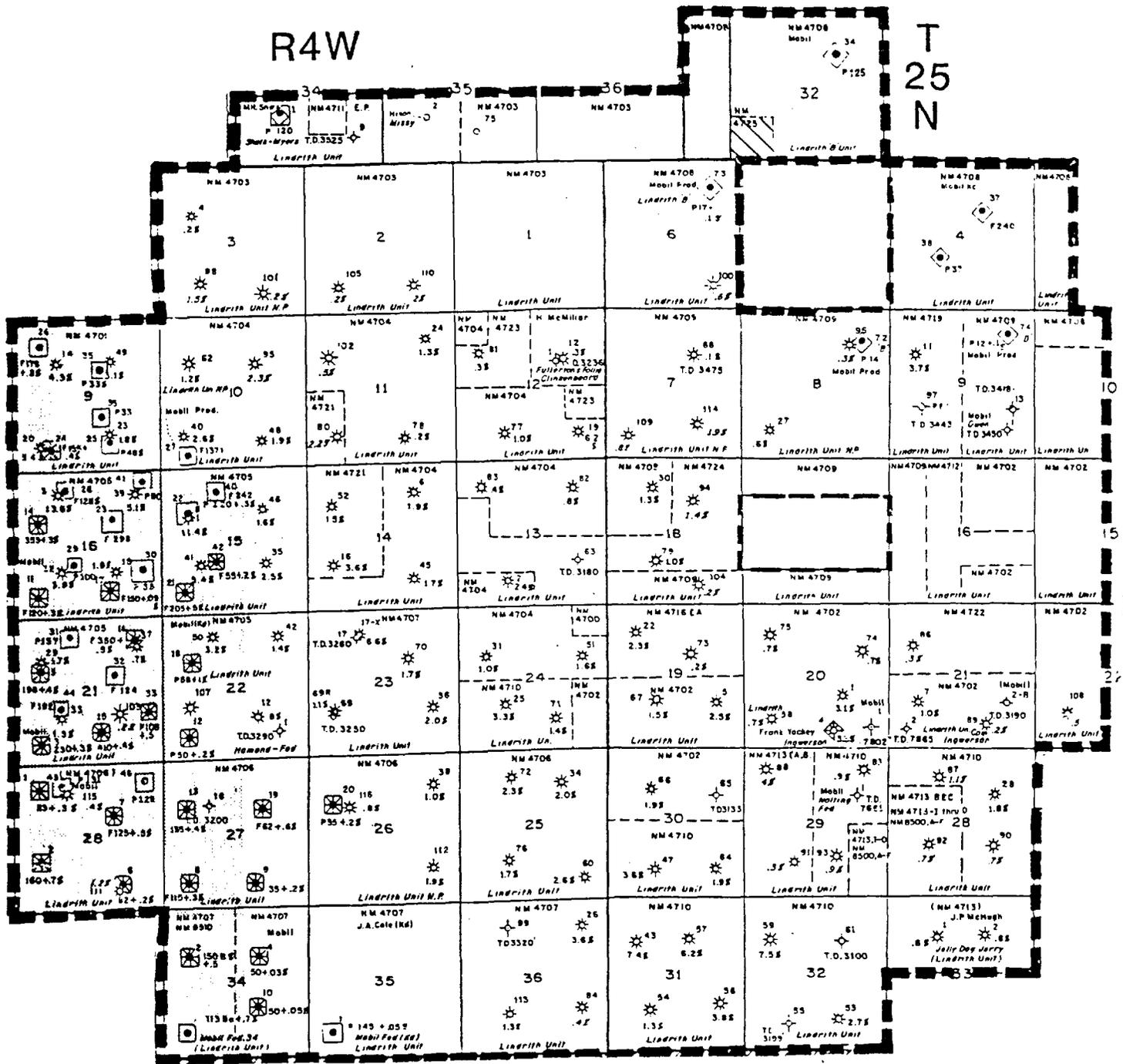
OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL
LAND DEPARTMENT
February 28, 1989

R3W

R4W

T 25 N



T 24 N

LINDRITH UNIT

- Pictured Cliffs
- Chacra
- Mesaverde
- Gallup
- Dakota



DAKOTA 'B' PARTICIPATING AREA
4th Expansion Effective 11/1/84



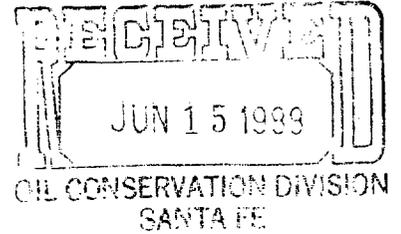
OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL
LAND DEPARTMENT
February 28, 1989

June 14, 1988

#159

Bureau of Land Management
South Central Region
Attention: District Manager
435 Montano N. E.
Albuquerque, New Mexico 87107



Commissioner of Public Lands
Attention: Mr. Pete Martinez
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87504-1148

~~Oil Conservation~~
State of New Mexico
Attn: Mr. David Catanach
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

Re: Lindrith B Unit, I Sec. No. 713
Rio Arriba County, New Mexico
First Amendment to
1988 Drilling Program

Gentlemen:

The First Amendment to the 1988 Drilling Program for the Lindrith B Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management	6-10-88
Commissioner of Public Lands	6-07-88
Oil Conservation Division	5-18-88

Copies of this letter are being sent to the working interest owners of the above unit.

Yours very truly,

Van L. Goebel
Senior Landman

VLG:gm

Lindrith B Unit, 3.0
Document 30+

LINDRITH B UNIT
WORKING INTEREST OWNERS

Mobil Exploration and Producing

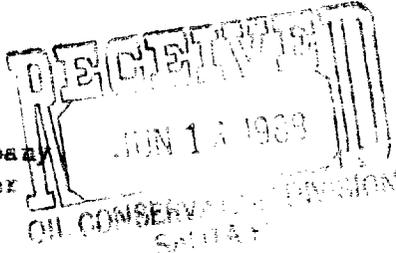
Tenneco Oil Exploration and Production

Conoco Inc.

FPCO Oil & Gas Company

Bureau of Land Management
Minerals Division
435 Montano NE
Albuquerque, NM 87107

JUN 10 1988



Lindrita 2 (POD)
3150 (015)

El Paso Natural Gas Company
Attn: James R. Fermenter
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

Two approved copies of your First Amendment to the 1988 Plan of Development for the Lindrita B Unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing the drilling of the Lindrita B well No. 75 (NE1/4 Section 35, T. 25 N., R. 3 W.,) in the Gallup-Dakota Formation, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

Starting with the 1989 Plan of Development, please provide the following information in your annual Plan of Development.

1. A summary of operations for the past year which should include up-to-date maps showing the latest geologic interpretations, all wells and participating area boundaries. Should there be no changes from one year to another, reference may be made to the most recent map submitted.
2. A list showing the status of all wells.
3. Performance curves covering the productive life of each horizon under a participating area, including injectivity curves.
4. Your plans for development within the unit area for the next year.
5. Pertinent data as to the effectiveness of the enhanced recovery project (if applicable). This information should include data on current and cumulative water injection rates, current and cumulative water, gas, and oil production and current water-oil ratios. A short discussion as to the general progress of the flood and any significant changes in any phase of the project should also be included.

All plans of development are to be filed in triplicate.

If you have any questions, please contact Carl Keller at the above address or telephone (505) 761-4303.

Sincerely,

(Orig. Signed) - Sid Vogelwohl

Assistant District Manager
Mineral Resources

cc: NM-019-00000, Santa Fe
Comm. of Pub. Lands, Santa Fe

015:GKeller:rag:6/5/88:0131M

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

SLO REF NO OG-802

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

June 6, 1988

El Paso Natural Gas Company
Attn: Mr. James R. Permenter
P. O. Box 4289
Farmington, New Mexico 87499

Re: 1988 Plan of Development
Lindrith B Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1988 Plan of Development for the above captioned unit area.

Our approval is subject to like approval by all other appropriate agencies.

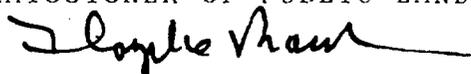
Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY:


FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encls.
cc: OCD
BLM

May 6, 1988

Bureau of Land Management
South Central Region
435 Montañon N. E.
Albuquerque, New Mexico 87107

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1988 Drilling Program

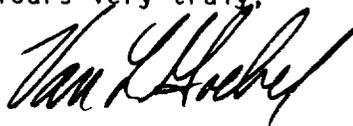
Gentlemen:

The 1988 Drilling Program for the Lindrith Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management	4-28-88
Commissioner of Public Lands	3-24-88
Oil Conservation Division	2-26-88

Copies of this letter are being sent to the working interest owners of the above unit.

Yours very truly,



Van L. Goebel
Senior Landman

VLG:gm
Lindrith Unit, 3.0
Doc. 75+

LINDRITH UNIT
WORKING INTEREST OWNERS

Conoco, Inc.

FPCO Oil & Gas Co. (Petro-Lewis Corporation)

Mobil Exploration and Producing

Tenneco Oil Company

May 10, 1988

Bureau of Land Management
South Central Region
Attention: District Manager
435 Montano N. E.
Albuquerque, New Mexico 87107

Commissioner of Public Lands
Attention: Mr. Pete Martinez
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87504-1148

Oil Conservation Division
State of New Mexico
Attn: Mr. David Catanach
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

Re: Lindrith B Unit, I Sec. No. 713
Rio Arriba County, New Mexico
First Amendment to
1988 Drilling Program

Gentlemen:

By letter dated February 18, 1988, the 1988 Drilling Program for the referenced unit was filed for approval.

Mobil Oil, as Sub-Operator of the Lindrith Unit, has provided the attached 1987 Summary of Activity and proposes to drill the following well in 1988:

<u>Well Name</u>	<u>Location</u>	<u>Formation</u>
Lindrith B #75	NE SE 35-25N-3W	Gallup/Dakota

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Operator of the Lindrith Unit, and on behalf of Mobil Producing Texas & New Mexico, Inc., successor to Mobil Oil Corporation as Sub-Operator of the Lindrith Unit, respectfully submits for your approval the First Amendment to the 1988 Plan of Development.

All working interest owners have been contacted regarding this Drilling Program. El Paso Natural Gas Company, as Unit Operator; Mobil Producing Texas and New Mexico, Inc., as Sub-Operator; and the working interest owners believe that all current obligations have been satisfied.

May 10, 1988

El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Sub-Operator, plan to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to this office.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Yours very truly,


James R. Permenter
Attorney-in-Fact *JRP*

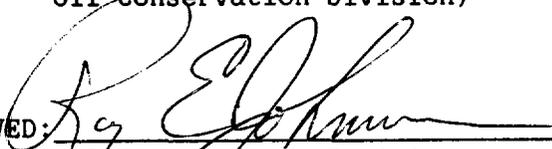
JRP:LD:tlm
Enclosures
Lindrith B Unit, 3.0
Doc. #81+

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 5-18-88

The foregoing approvals for the First Amendment to the 1988 Drilling
Program for the Lindrith B Unit, I Sec. No. 713, San Juan County, New Mexico.

LINDRITH UNIT
WORKING INTEREST OWNERS

Conoco, Inc.

FPCO Oil & Gas Co. (Petro-Lewis Corporation)

Mobil Exploration and Producing

Tenneco Oil Company

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1987

Mobil Operated Well Status as of 12/31/87

<u>Well Status</u>	<u>Dakota</u>	<u>Gallup</u>	<u>Total</u>
Producing	39	6	45
Temp. Aband.	1	0	1

1987 Production

Oil, MBO	144.8	71.2	216.0
Gas, MCF	1,772.2	438.1	2,210.3

Cumulative Production

Oil, MBO	1,593.6	125.5	1,719.1
Gas, MCF	9,497.6	635.1	10,132.7

Production Plots

Attached are performance curves for the Lindrith Unit Mobil Operated Wells through 1987. Gallup (Gavilan-Mancos Pool) and Dakota (West Lindrith-Gallup-Dakota Pool) are reported separately.

Operations Review

Drilled Wells

Lindrith B Unit No. 72 - ne ne 8-24N-2W - Gallup (Mancos)
Completion on 4/2/87 - IPP 14 BOPD, 35 MCF/GPD.
Lindrith B Unit No. 73 - ne ne 6-24N-2W - Gallup (Mancos)
Completion on 4/15/87 - IPP 17 BOPD, 134 MCF/GPD.
Lindrith B Unit No. 74 - ne ne 9-24N-2W - Gallup (Mancos)
Completion on 4/15/87 - IPP 12 BOPD, 133 MCF/GPD.

Workovers

Four Dakota wells converted to plunger lift from rod pump.

PLAN OF DEVELOPMENT FOR 1988

Wells to be Drilled Subject to Partner Approval

Lindrith B Unit No. 75 - ne se 35-25N-3W - proposed Gallup & Dakota Completion.

Workovers

Four wells converted to plunger lift to date, remaining Dakota & Gallup wells being reviewed for conversion. Lindrith B-25, currently TA'd, being reviewed for Gallup recompletion.

RATE

1 MM

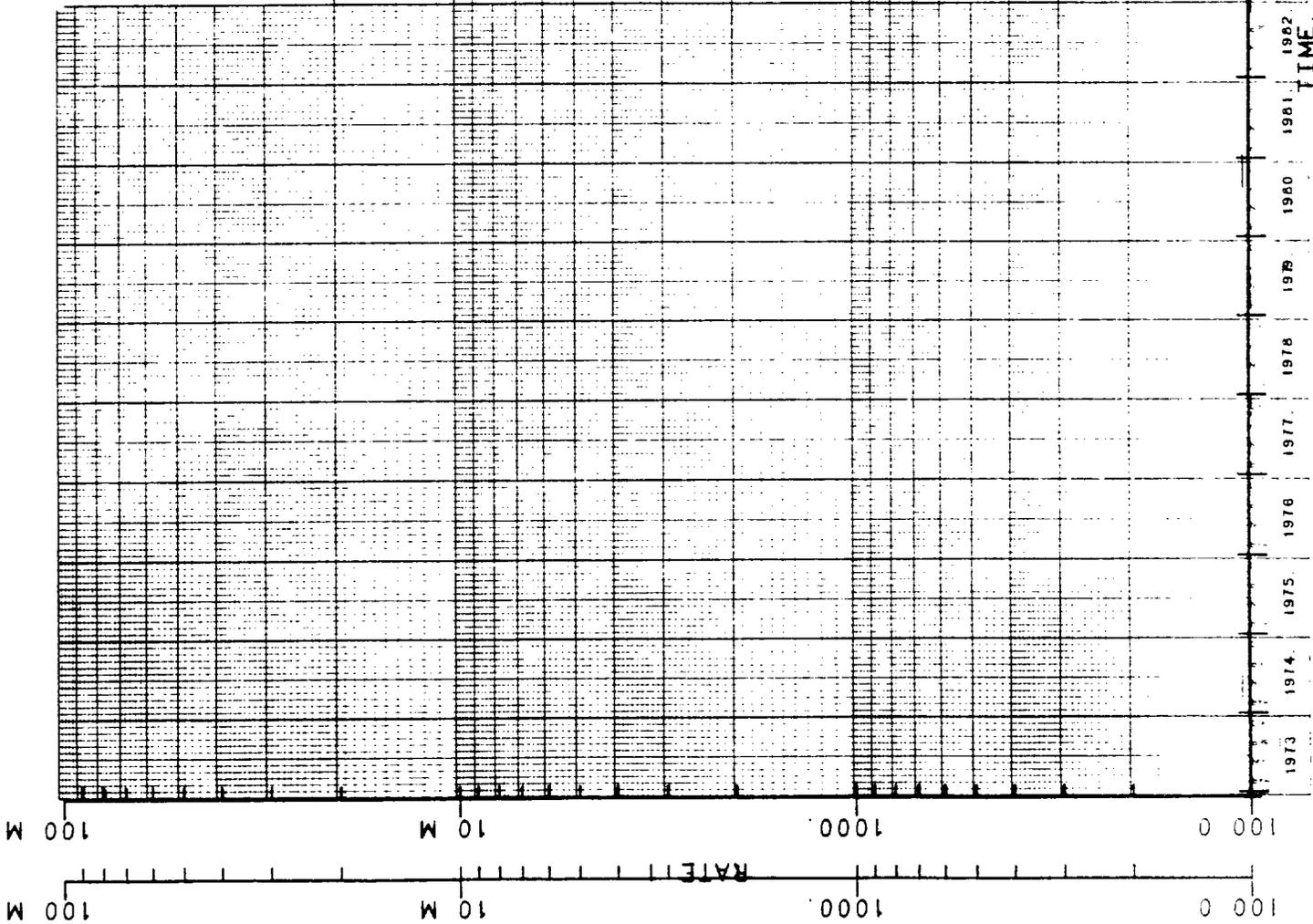
100 M

10 M

1000

LINDRITH B UNIT
GALLUP (GAVILAN-MANCOS) WELLS
PRODUCTION - ALL WELLS

□ OIL PROD. BBL / MON LEFT1
○ WATER PROD BBL / MON LEFT2
△ GAS PROD. MCF / MON RIGHT



1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992

RATE 2

LINDRITH B UNIT
 DAKOTA (WEST LINDRITH-GALLUP
 DAKOTA) WELLS

PRODUCTION - ALL WELLS

□ OIL PROD. BBL / MON LEFT 1
 ○ WATER PROD. BBL / MON LEFT 2
 △ GAS PROD. MCF / MON RIGHT

RATE

1 MM

100 M

10 M

1000.

100 M

10 M

RATE 1

1000.

100.0

10 M

1000.

RATE 2

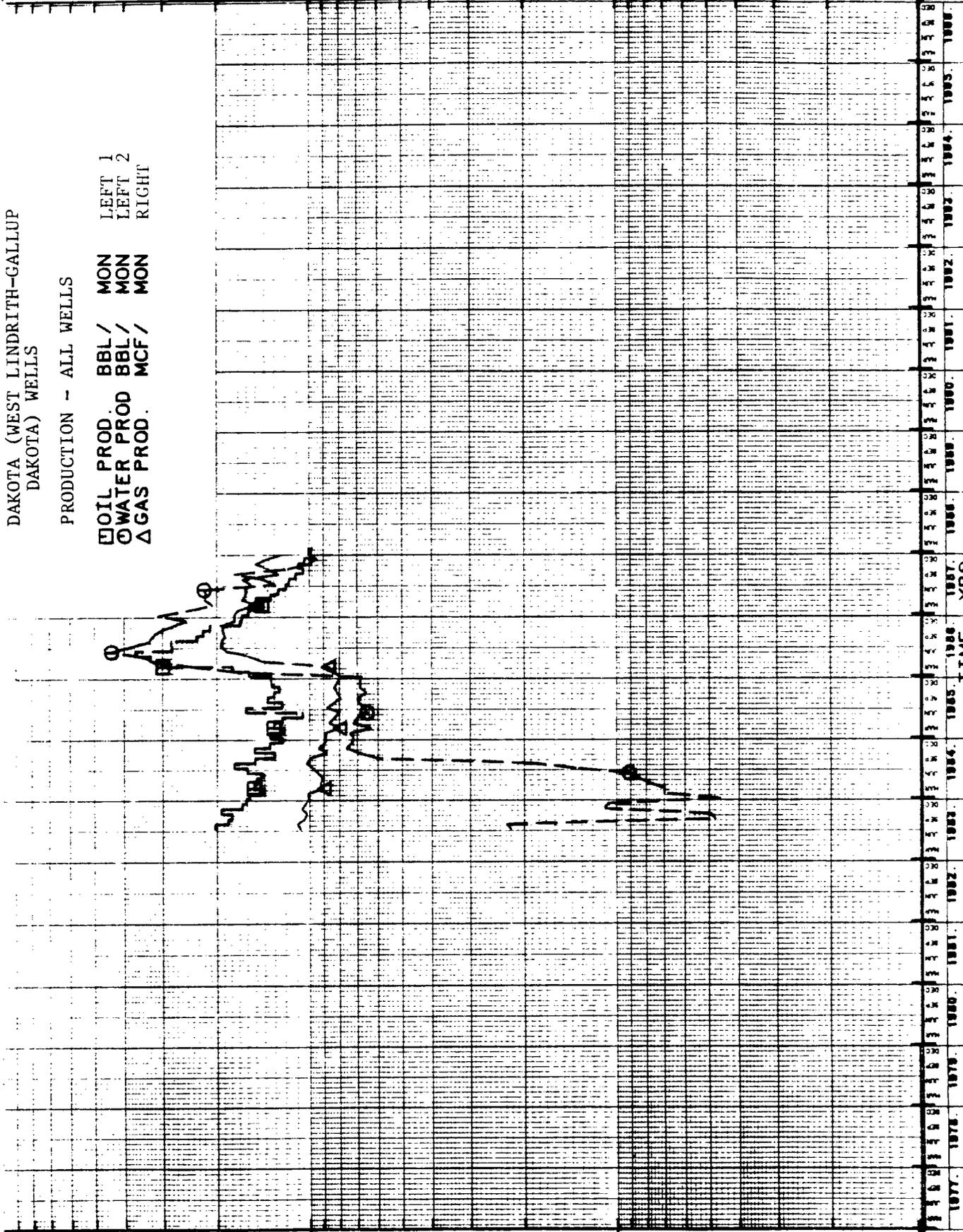
100.0

B

10.0

TIME, YRS

1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996



M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/29/88

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT 1		RIO ARRIBA	NM	NW	28	24N-3W	OIL	OP 30-039-22137	SF-078914		I. SEC. NO. 713
	10	RIO ARRIBA	NM	NW	SE 34	24N-3W	OIL	OP 30-039-22402	SF-078915		I. SEC. NO. 713
	11	RIO ARRIBA	NM	SW	SW 16	24N-3W	OIL	OP 30-039-22535	SF-078913		I. SEC. NO. 713
	12	RIO ARRIBA	NM	SW	SW 22	24N-3W	OIL	OP 30-039-22550	SF-078914		I. SEC. NO. 713
	13	RIO ARRIBA	NM	SW	NW 27	24N-3W	OIL	OP 30-039-22551	SF-078914		I. SEC. NO. 713
	14	RIO ARRIBA	NM	SW	NW 16	24N-3W	OIL	OP 30-039-22554	SF-078913		I. SEC. NO. 713
	15	RIO ARRIBA	NM	SW	SE 21	24N-3W	OIL	OP 30-039-22555	SF-078913		I. SEC. NO. 713
	16	RIO ARRIBA	NM	NE	NE 21	24N-3W	OIL	OP 30-039-22549	SF-078913		I. SEC. NO. 713
	17	RIO ARRIBA	NM	SW	SE 16	24N-3W	OIL	OP 30-039-22712	SF-078913		I. SEC. NO. 713
	18	RIO ARRIBA	NM	SW	NW 22	24N-3W	OIL	OP 30-039-22713	SF-078913		I. SEC. NO. 713
	19	RIO ARRIBA	NM	SW	NE 27	24N-3W	OIL	OP 30-039-22715	SF-078914		I. SEC. NO. 713
	2	RIO ARRIBA	NM	NW	SW 28	24N-3W	OIL	OP 30-039-22138	SF-078914		I. SEC. NO. 713
	20	RIO ARRIBA	NM	SW	NW 26	24N-3W	OIL	OP 30-039-22714	SF-078914		I. SEC. NO. 713
	21	RIO ARRIBA	NM	SW	SW 15	24N-3W	OIL	OP 30-039-22711	SF-078913		I. SEC. NO. 713
	22	RIO ARRIBA	NM	SW	NW 15	24N-3W	OIL	OP 30-039-23036	SF-078913		I. SEC. NO. 713
	23	RIO ARRIBA	NM	SW	NE 16	24N-3W	OIL	OP 30-039-23037	SF-078913		I. SEC. NO. 713
	24	RIO ARRIBA	NM	SE	SW 9	24N-3W	OIL	OP 30-039-23241	FEE		I. SEC. NO. 713
	25	RIO ARRIBA	NM	SW	SE 9	24N-3W	OIL	TA 30-039-23247	FEE		I. SEC. NO. 713
	26	RIO ARRIBA	NM	NW	NW 9	24N-3W	OIL	OP 30-039-23465	FEE		I. SEC. NO. 713
	27	RIO ARRIBA	NM	SW	SW 10	24N-3W	OIL	OP 30-039-23609	SF-078912		I. SEC. NO. 713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/29/88

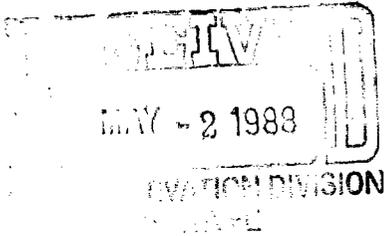
PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWN	RNG	WELL A TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER	S T	
												WELL A TYPE	API NUMBER
LINDRITH B UNIT 28		RIO ARRIBA	NM	NE	NW	16	24N-3W	OP 30-039-23818	SF-078913		I. SEC. NO. 713		
	29	RIO ARRIBA	NM	NE	SW	16	24N-3W	OP 30-039-23868	SF-078913		I. SEC. NO. 713		
	3	RIO ARRIBA	NM	SW	SW	21	24N-3W	OP 30-039-22278	SF-078913		I. SEC. NO. 713		
	30	RIO ARRIBA	NM	NE	SE	16	24N-3W	OP 30-039-23859	SF-078913		I. SEC. NO. 713		
	31	RIO ARRIBA	NM	NE	NW	21	24N-3W	OP 30-039-23968	SF-078913		I. SEC. NO. 713		
	32	RIO ARRIBA	NM	SW	NE	21	24N-3W	OP 30-039-23924	SF-078913		I. SEC. NO. 713		
	33	RIO ARRIBA	NM	NE	SE	21	24N-3W	OP 30-039-23798	SF-078913		I. SEC. NO. 713		
	35	RIO ARRIBA	NM	SW	NE	9	24N-3W	OP 30-039-23755	FEE		I. SEC. NO. 713		
	4	RIO ARRIBA	NM	SW	NE	24	24N-3W	OP 30-039-22279	SF-078915		I. SEC. NO. 713		
	40	RIO ARRIBA	NM	NE	NW	15	24N-3W	OP 30-039-23797	SF-078913		I. SEC. NO. 713		
	41	RIO ARRIBA	NM	NE	NE	16	24N-3W	OP 30-039-23840	SF-078913		I. SEC. NO. 713		
	42	RIO ARRIBA	NM	NE	SW	15	24N-3W	OP 30-039-23778	SF-078913		I. SEC. NO. 713		
	44	RIO ARRIBA	NM	NE	SW	21	24N-3W	OP 30-039-23860	SF-078913		I. SEC. NO. 713		
	45	RIO ARRIBA	NM	NE	NE	28	24N-3W	OP 30-039-23873	SF-078914		I. SEC. NO. 713		
	46	RIO ARRIBA	NM	NE	NE	28	24N-3W	OP 30-039-23861	SF-078914		I. SEC. NO. 713		
	5	RIO ARRIBA	NM	SW	NW	21	24N-3W	OP 30-039-22384	SF-078913		I. SEC. NO. 713		
	6	RIO ARRIBA	NM	SW	SE	28	24N-3W	OP 30-039-22424	SF-078914		I. SEC. NO. 713		
	7	RIO ARRIBA	NM	SW	NE	28	24N-3W	OP 30-039-22450	SF-078914		I. SEC. NO. 713		
	8	RIO ARRIBA	NM	SW	SW	27	24N-3W	OP 30-039-22422	SF-078914		I. SEC. NO. 713		
	9	RIO ARRIBA	NM	SW	SE	27	24N-3W	OP 30-039-22423	SF-078914		I. SEC. NO. 713		

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAVALIN MANCOS FIELD 02/29/88

PROPERTY NAME	WELL NAME	COUNTY	STATE SEC	TWNSHP	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT 34	34	RIO ARRIBA	NM	SW NE 32	25N-2W	PROD OP	30-039-23738	SF-078907		I. SEC. NO. 713
	37	RIO ARRIBA	NM	SW NE 4	24N-2W	PROD OP	30-039-23816	SF-078907		I. SEC. NO. 713
	38	RIO ARRIBA	NM	NE SW 4	24N-2W	PROD OP	30-039-23872	SF-078907		I. SEC. NO. 713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAVILAN FIELD 02/29/88

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWN	SHIP	RNG	WELL A TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT 72	72	RIO ARRIBA	NM	NE	8	24N	-2W	OIL	NE	SF-078908		I. SEC. NO. 713
	73	RIO ARRIBA	NM	NE	6	24N	-2W	OIL	NE	SF-078907		I. SEC. NO. 713
	74	RIO ARRIBA	NM	NE	9	24N	-2W	OIL	NE	SF-078908		I. SEC. NO. 713



APR 29 1988

Lindrith Unit (POD)
3180 (015)

El Paso Natural Gas Company
ATTN: James R. Permenter
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

Three approved copies of your 1988 Plan of Development for the Lindrith Unit area, San Juan County, New Mexico are enclosed. Such plan, proposing the drilling of no new wells was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Starting with the 1989 Plan of Development, please provide the following information in your annual Plan of Development.

1. A summary of operations for the past year which should include up-to-date maps showing the latest geologic interpretations, all wells and participating area boundaries. Should there be no changes from one year to another, reference may be made to the most recent map submitted.
2. A list showing the status of all wells.
3. Performance curves covering the productive life of each horizon under a participating area, including injectivity curves.
4. Your plans for development within the unit area for the next year.
5. Pertinent data as to the effectiveness of the enhanced recovery project (if applicable). This information should include data on current and cumulative water injection rates, current and cumulative water, gas, and oil production and current water-oil ratios. A short discussion as to the general progress of the flood and any significant changes in any phase of the project should also be included.

All plans of development are to be filed in triplicate.

The possibility might exist of drainage by wells outside of the unit boundary. You will be contacted at a later date about this possibility.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 761-4503.

Sincerely,

(Orig. Signed) : Sid Vogelpohl

Assistant District Manager
Mineral Resources

Enclosure

cc: NM-019

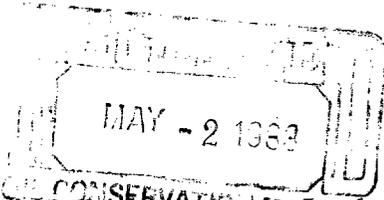
✓ NMOCD

Comm of Pub. Lands, Santa Fe

015:GKeller:ja:4/23/88:4111M

APR 29 1988

Lindrith B Unit (POD)
3180 (015)



Mobil Exploration & Producing US, Inc.
ATTN: J. L. Douglas
P.O. Box 5444
Denver, CO 80217

Gentlemen:

One approved copy of your 1988 Plan of Development for the Lindrith B Unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing the drilling of the Lindrith B Unit well No. 75 (NE1/4 Section 35, T. 25 N., R. 3 W.) was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Starting with the 1989 Plan of Development, please provide the following information in your annual Plan of Development.

1. A summary of operations for the past year which should include up-to-date maps showing the latest geologic interpretations, all wells and participating area boundaries. Should there be no changes from one year to another, reference may be made to the most recent map submitted.
2. A list showing the status of all wells.
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Sincerely,

(Orig. Signed) - Sid Vogelwohl

Assistant District Manager
Mineral Resources

Enclosure

cc:NM-019***(NMOCD)
Comm of Pub. Lands, Santa Fe***015:GKeller:ja:4/23/88:4107M



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

SLO REF NO OG-738

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

March 24, 1988

El Paso Natural Gas Company
Attn: Mr. James R. Permenter
P. O. Box 4289
Farmington, New Mexico 87499

Re: 1988 Plan of Development
Lindrieth Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1988 Plan of Development for the above captioned unit area.

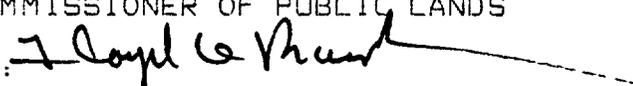
Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

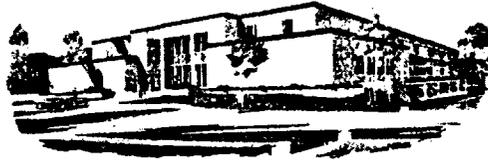
BY: 
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encls.
cc: OCD
BLM

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

SLO REF NO 06-722

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

March 24, 1988

Mobil Expl. & Prod. U.S. Inc.
Attn: Mr. J. L. Douglass
P. O. Box 5444
Denver, Colorado 80217-5444

Re: 1988 Plan of Development
Lindrith B Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1988 Plan of Development for the above captioned unit area.

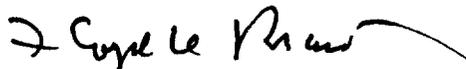
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Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encs.
cc: OCD
BLM

Mobil Exploration & Producing U.S. Inc.

P.O. BOX 5444
DENVER, COLORADO 80217 5444

March 4, 1988

Meridian Oil Inc.
P. O. Box 4289
Farmington, NM 87499

Attention: Van Goebel
Land Department

Direct letter

FIELD REVIEW 1987
PLAN OF DEVELOPMENT 1988
LINDRITH B UNIT
I. SECTION NO. 713
RIO ARRIBA COUNTY
NEW MEXICO

Gentlemen:

Attached is a 1987 Summary of Activity and proposed Plan of Development for the Lindrith B Unit.

As Unit Operator, Meridian Oil Inc. is requested to submit this information to the Bureau of Land Management for their review and approval.

Should you have questions, please direct them to C. N. Eggerman at (303) 298-2346.

Very truly yours,

J. L. Douglass
J. L. Douglass
Regulatory Compliance Manager

CNEggerman/jag
CNE880301
Attachment

cc: State Land Office
P. O. Box 1148
Santa Fe, NM 87504-1148
Attn: Commission of Public Lands

Bureau of Land Management
434 Montaro N. E.
Albuquerque, NM 87107
Attn: Chief, Branch of Fluid Min.

APPROVED

APPROVED

~~State Oil & Natural Gas Division~~

~~P. O. Box 2088
Santa Fe, NM 87501-2088~~

~~Attn: Director~~

C. N. Eggerman
APPROVED

LINDRITH B UNIT - RIO ARRIBA COUNTY, NEW MEXICO

REVIEW OF OPERATIONS FOR 1987

Mobil Operated Well Status as of 12/31/87

<u>Well Status</u>	<u>Dakota</u>	<u>Gallup</u>	<u>Total</u>
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Lindrith B Unit No. 73 - ne ne 6-24N-2W - Gallup (Mancos)
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Workovers

Four Dakota wells converted to plunger lift from rod pump.

PLAN OF DEVELOPMENT FOR 1988

Wells to be Drilled Subject to Partner Approval

Lindrith B Unit No. 75 - ne se 35-25N-3W - proposed Gallup & Dakota Completion.

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RATE

1 MM

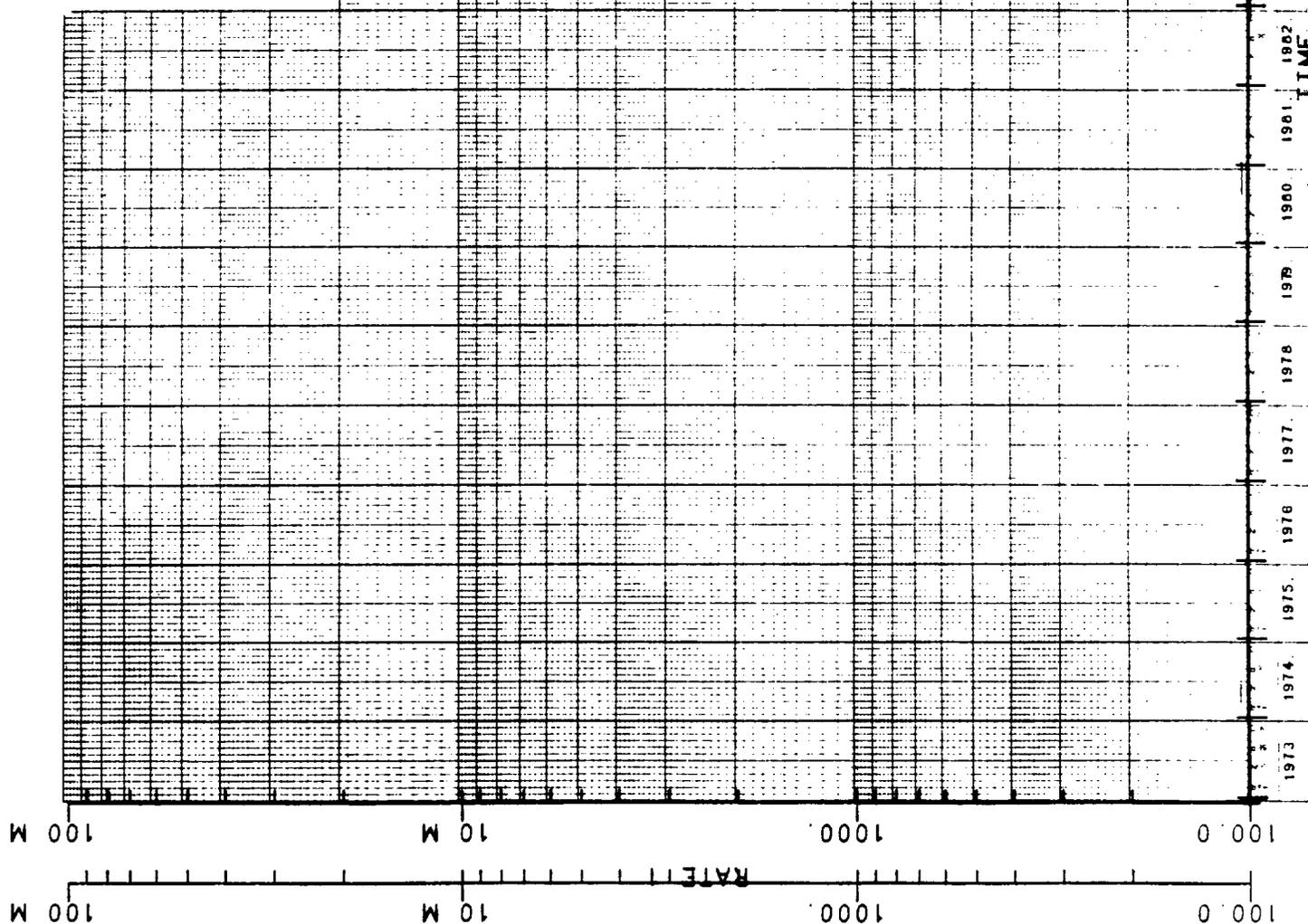
100 M

10 M

1000

LINDRITH B UNIT
GALLUP (GAVILAN-MANCOS) WELLS
PRODUCTION - ALL WELLS

□ OIL PROD. MON LEFT1
○ WATER PROD. MON LEFT2
△ GAS PROD. MON RIGHT



RATE 2

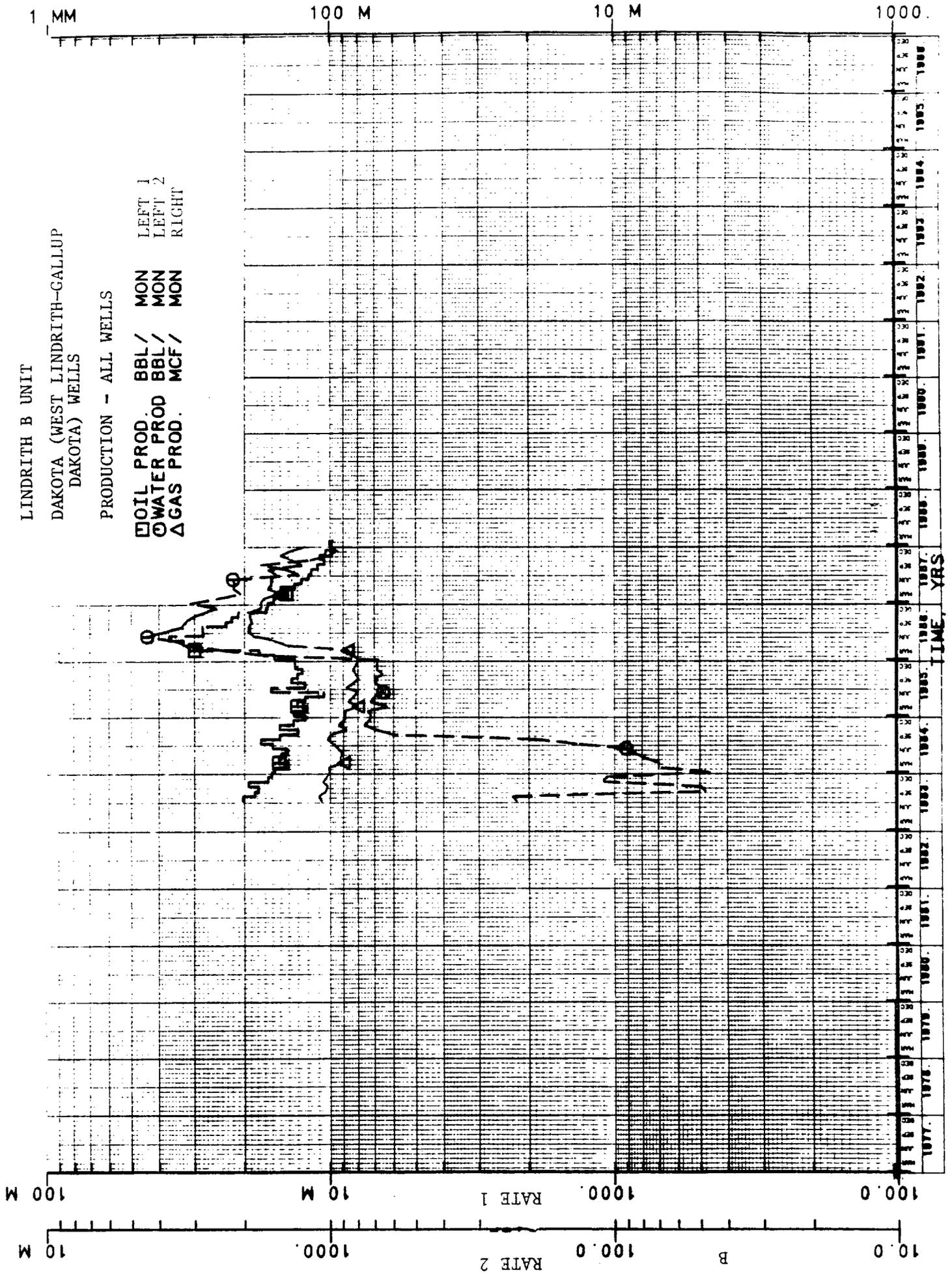
TIME, YRS

LINDRITH B UNIT
 DAKOTA (WEST LINDRITH-GALLUP
 DAKOTA) WELLS

PRODUCTION - ALL WELLS

- OIL PROD. BBL / MON LEFT 1
- WATER PROD. BBL / MON LEFT 2
- △ GAS PROD. MCF / MON RIGHT

RATE



1 MM 100 M 10 M 1000.

TIME, YRS

1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998

10.0 100.0 RATE 2 1000. 10 M 100 M

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/29/88

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
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	11	RIO ARRIBA	NM	SW	SW 16	24N-3W	OIL	OP 30-039-22535	SF-078913		I. SEC. NO. 713
	12	RIO ARRIBA	NM	SW	SW 22	24N-3W	OIL	OP 30-039-22550	SF-078914		I. SEC. NO. 713
	13	RIO ARRIBA	NM	SW	NW 27	24N-3W	OIL	OP 30-039-22551	SF-078914		I. SEC. NO. 713
	14	RIO ARRIBA	NM	SW	NW 16	24N-3W	OIL	OP 30-039-22554	SF-078913		I. SEC. NO. 713
	15	RIO ARRIBA	NM	SW	SE 21	24N-3W	OIL	OP 30-039-22555	SF-078913		I. SEC. NO. 713
	16	RIO ARRIBA	NM	NE	NE 21	24N-3W	OIL	OP 30-039-22549	SF-078913		I. SEC. NO. 713
	17	RIO ARRIBA	NM	SW	SE 16	24N-3W	OIL	OP 30-039-22712	SF-078913		I. SEC. NO. 713
	18	RIO ARRIBA	NM	SW	NW 22	24N-3W	OIL	OP 30-039-22713	SF-078913		I. SEC. NO. 713
	19	RIO ARRIBA	NM	SW	NE 27	24N-3W	OIL	OP 30-039-22715	SF-078914		I. SEC. NO. 713
	2	RIO ARRIBA	NM	NW	SW 28	24N-3W	OIL	OP 30-039-22138	SF-078914		I. SEC. NO. 713
	20	RIO ARRIBA	NM	SW	NW 26	24N-3W	OIL	OP 30-039-22714	SF-078914		I. SEC. NO. 713
	21	RIO ARRIBA	NM	SW	SW 15	24N-3W	OIL	OP 30-039-22711	SF-078913		I. SEC. NO. 713
	22	RIO ARRIBA	NM	SW	NW 15	24N-3W	OIL	OP 30-039-23036	SF-078913		I. SEC. NO. 713
	23	RIO ARRIBA	NM	SW	NE 16	24N-3W	OIL	OP 30-039-23037	SF-078913		I. SEC. NO. 713
	24	RIO ARRIBA	NM	SE	SW 9	24N-3W	OIL	OP 30-039-23241	FEE		I. SEC. NO. 713
	25	RIO ARRIBA	NM	SW	SE 9	24N-3W	OIL	TA 30-039-23247	FEE		I. SEC. NO. 713
	26	RIO ARRIBA	NM	NW	NW 9	24N-3W	OIL	OP 30-039-23465	FEE		I. SEC. NO. 713
	27	RIO ARRIBA	NM	SW	SW 10	24N-3W	OIL	OP 30-039-23609	SF-078912		I. SEC. NO. 713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAL-DAK WEST FIELD 02/29/88

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWN	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT 28		RIO ARriba	NM	NE	NW	16 24N-3W	OIL	OP 30-039-23818	SF-078913		I. SEC. NO. 713
	29	RIO ARriba	NM	NE	SW	16 24N-3W	OIL	OP 30-039-23868	SF-078913		I. SEC. NO. 713
	3	RIO ARriba	NM	SW	SW	21 24N-3W	OIL	OP 30-039-22278	SF-078913		I. SEC. NO. 713
	30	RIO ARriba	NM	NE	SE	16 24N-3W	OIL	OP 30-039-23859	SF-078913		I. SEC. NO. 713
	31	RIO ARriba	NM	NE	NW	21 24N-3W	OIL	OP 30-039-23968	SF-078913		I. SEC. NO. 713
	32	RIO ARriba	NM	SW	NE	21 24N-3W	OIL	OP 30-039-23924	SF-078913		I. SEC. NO. 713
	33	RIO ARriba	NM	NE	SE	21 24N-3W	OIL	OP 30-039-23798	SF-078913		I. SEC. NO. 713
	35	RIO ARriba	NM	SW	NE	9 24N-3W	OIL	OP 30-039-23755	FEE		I. SEC. NO. 713
	4	RIO ARriba	NM	SW	NE	24 24N-3W	OIL	OP 30-039-22279	SF-078915		I. SEC. NO. 713
	40	RIO ARriba	NM	NE	NW	15 24N-3W	OIL	OP 30-039-23797	SF-078913		I. SEC. NO. 713
	41	RIO ARriba	NM	NE	NE	16 24N-3W	OIL	OP 30-039-23840	SF-078913		I. SEC. NO. 713
	42	RIO ARriba	NM	NE	SW	15 24N-3W	OIL	OP 30-039-23778	SF-078913		I. SEC. NO. 713
	44	RIO ARriba	NM	NE	SW	21 24N-3W	OIL	OP 30-039-23860	SF-078913		I. SEC. NO. 713
	45	RIO ARriba	NM	NE	NW	28 24N-3W	OIL	OP 30-039-23873	SF-078914		I. SEC. NO. 713
	46	RIO ARriba	NM	NE	NE	28 24N-3W	OIL	OP 30-039-23861	SF-078914		I. SEC. NO. 713
	5	RIO ARriba	NM	SW	NW	21 24N-3W	OIL	OP 30-039-22384	SF-078913		I. SEC. NO. 713
	6	RIO ARriba	NM	SW	SE	28 24N-3W	OIL	OP 30-039-22424	SF-078914		I. SEC. NO. 713
	7	RIO ARriba	NM	SW	NE	28 24N-3W	OIL	OP 30-039-22450	SF-078914		I. SEC. NO. 713
	8	RIO ARriba	NM	SW	SW	27 24N-3W	OIL	OP 30-039-22422	SF-078914		I. SEC. NO. 713
	9	RIO ARriba	NM	SW	SE	27 24N-3W	OIL	OP 30-039-22423	SF-078914		I. SEC. NO. 713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAVALIN MANCOS FIELD 02/29/88

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWN	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT 34	34	RIO ARRIBA	NM	SW	NE	32 25N-2W	PROD OP	30-039-23738	SF-078907		I. SEC. NO. 713
	37	RIO ARRIBA	NM	SW	NE	4 24N-2W	PROD OP	30-039-23816	SF-078907		I. SEC. NO. 713
	38	RIO ARRIBA	NM	NE	SW	4 24N-2W	PROD OP	30-039-23872	SF-078907		I. SEC. NO. 713

M. E. P. U. S. - DENVER DIVISION
 WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 3)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GAVILAN FIELD 02/29/88

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL A TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
LINDRITH B UNIT 72		RIO ARRIBA	NM	NE	NE	8 24N-2W	OIL NE		SF-078908		I. SEC. NO. 713
	73	RIO ARRIBA	NM	NE	NE	6 24N-2W	OIL NE		SF-078907		I. SEC. NO. 713
	74	RIO ARRIBA	NM	NE	NE	9 24N-2W	OIL NE		SF-078908		I. SEC. NO. 713



R3W R2W

T 25 N

T 24 N

R3W R2W

R3W

LEGEND

- UNIT BOUNDARY
- FEE LEASE
- STATE LEASE
- FEDERAL LEASE
- OIL WELL
- ABANDONED OIL WELL
- GAS WELL
- DRY HOLE
- TEMPORARY ABANDONED WELL

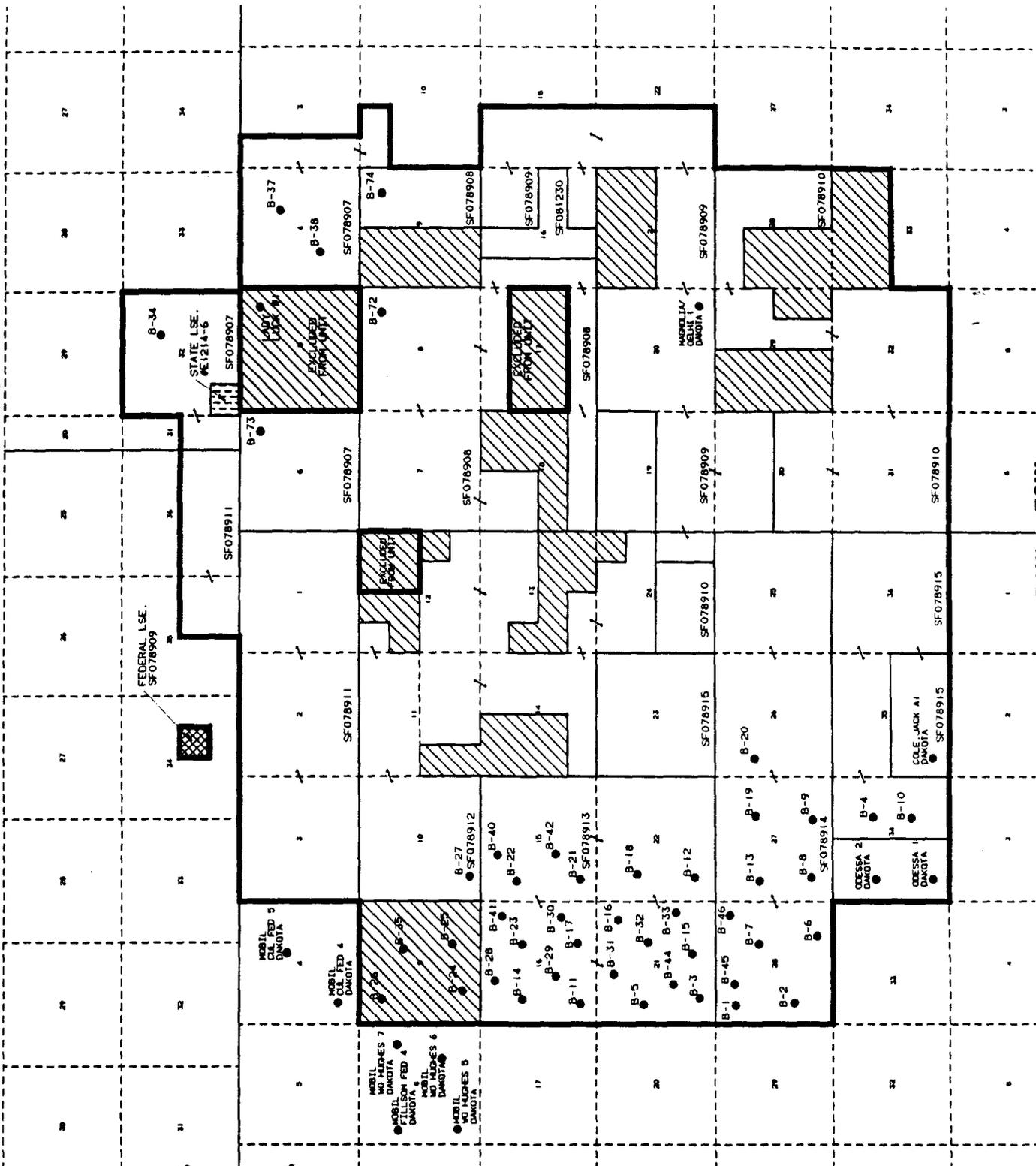
Mobil
MOTOR OIL CO.

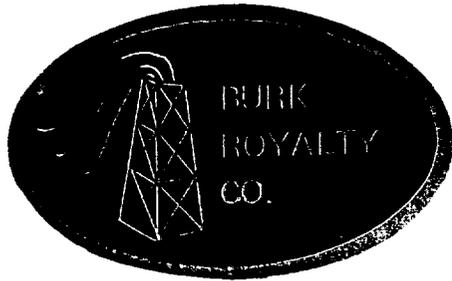
UNREGISTERED UNIT
CALLIP, DAKOTA SPACING PLANNING
BORING UNITS AS TO CALLIP, DAKOTA FORMATION
FIELD NUMBER IS - FEB 1952

SCALE 1" = 2000'
DRAWN BY T.P. CHECKED BY A.S.
DATE 11/17/50

APPROVED: _____
DATE: _____

DWG. NO. _____





RECEIVED
FEB 25 8 22 AM '88
BUR. OF LAND MGMT
ROSWELL DISTRICT

February 23, 1988

United States Department of the Interior
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88201

Attention: Mr. Joe G. Lara

Dear Mr. Lara:

Enclosed please find the Plan of Operation for the South Lucky Lake Queen Unit for the year 1988. Also enclosed please find a map of the area and production figures.

Sincerely yours,

BURK ROYALTY CO.

Fred M. Lynch
Fred M. Lynch

FML/tl
Enc.

BURK ROYALTY CO.

PLAN OF OPERATIONS

1988

SOUTH LUCKY LAKE QUEEN UNIT

RE: NM061P35 - 86U321
3180 (065)

1. Operation of the leases in the Unit were taken over as of June 2, 1986.
2. All wells were restored to productivity including those wells that are to be converted to injection.
3. A central tank battery has been built and all of the leases now produce oil into this battery. The flow lines have been rerouted to the central battery in order that each well may be tested individually. The building of this battery was mentioned in the Plan of Operations for 1987.
4. Negotiations have began with the City of Carlsbad to obtain water for flooding. Also negotiations to electrify the Unit have been initiated.
5. Production wells and plant to be operated on gas as long as possible.
6. The following wells will be converted to water injection:

TR 1 No. 1 (101)
TR 2 No. 1 (201)
TR 2 No. 4 (204)
TR 3 No. 1 (301)
TR 4 No. 1 (401)
TR 5 No. 1 (501)
TR 7 No. 1 (701)

These wells will be cleaned out and acidized before running tubing and packers.

7. The injection plant building will commence as soon as negotiations are completed with the City of Carlsbad to obtain water for the waterflood.

8. Water injection will be commenced if possible by the end of 1988.

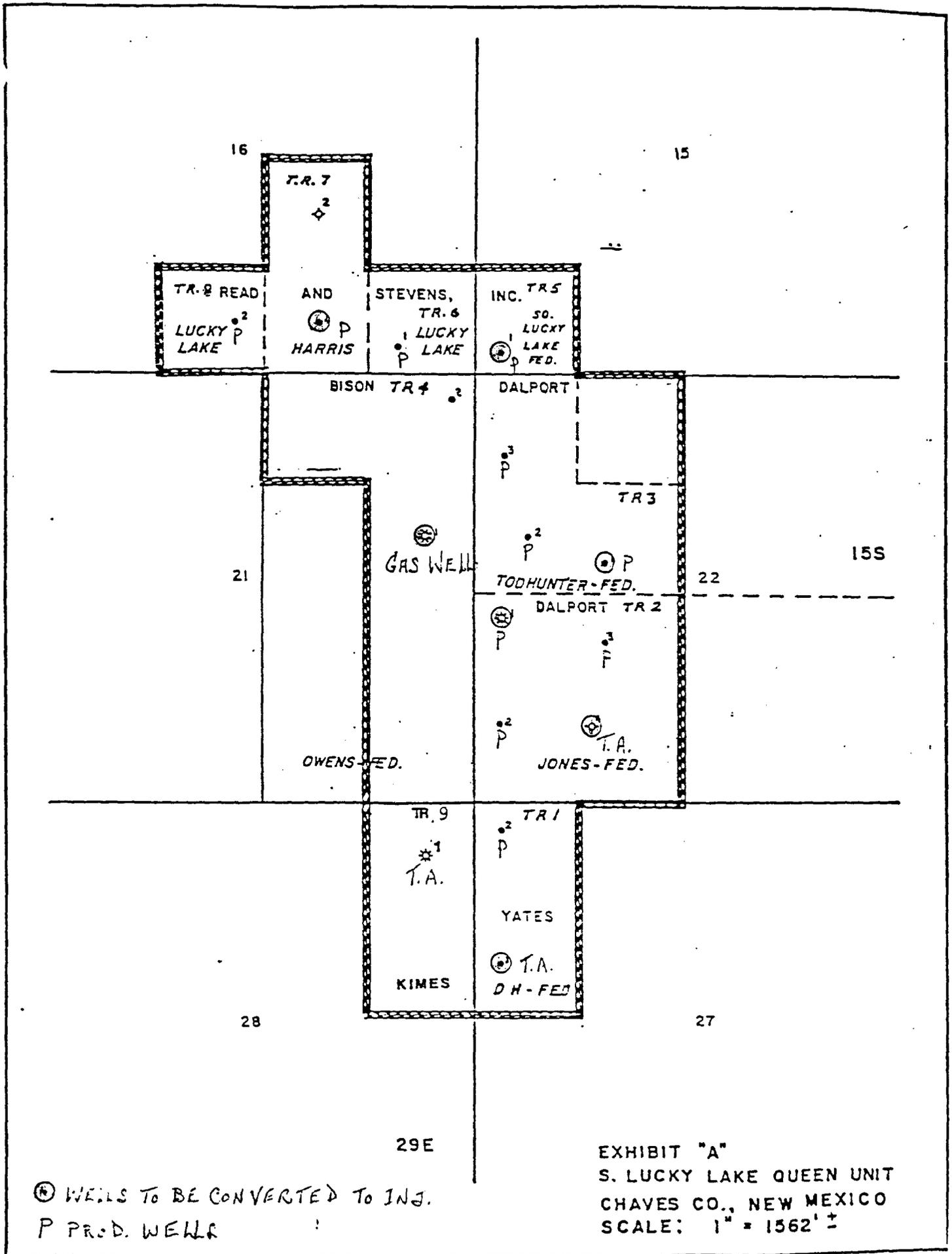
The items mentioned in the 1987 Plan of Operations were not carried out to completion because of the low price of crude.

Fred M. Lynch
FRED M. LYNCH

Plan of Development
APPROVED

MAR 14 1988

Joe G. Lora
DISTRICT MANAGER
BUREAU OF LAND MANAGEMENT



February 18, 1988

Bureau of Land Management
South Central Region
435 Montano N.E.
Albuquerque, New Mexico 87107

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1988 Drilling Program

Gentlemen:

By letter dated August 26, 1987, El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Unit Sub-Operator, submitted Drilling Programs providing for the drilling no wells during 1987.

As of this date, the number of wells in this Unit is as follows:

Pictured Cliffs, Commercial	93
Pictured Cliffs, Non-Commercial	5
Pictured Cliffs, Being Evaluated	8
Pictured Cliffs, Plugged & Abandoned	<u>9</u>

115

LINDRITH "B" UNIT

By Designation of Sub-Operator, dated May 7, 1979, El Paso Natural Gas Company designated Mobil Oil Corporation as Operator of the Lindrith Unit for all formations below the base of the Pictured Cliffs formation (except as to the Dakota formation in the W/2 Section 34, T24N, R3W).

As of this date the total number of wells in the Lindrith "B" Unit is as follows:

Chacon Dakota	39
Dakota, Non-Commercial, Temporarily Abandoned	1
Dakota, Plugged & Abandoned	1
Gallup, Being Evaluated	6
Gallup, Non-Commercial	<u>1</u>
	48

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Operator of the Lindrith Unit and on behalf of Mobil Producing Texas & New Mexico Inc., successor to Mobil Oil Corporation as Sub-Operator of the Lindrith Unit, respectfully submits for your approval the 1988 Plan of Development providing for the drilling of no wells during calendar year 1988.

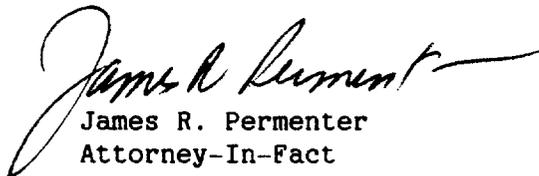
All working interest owners have been contacted regarding this Drilling Program. El Paso Natural Gas Company, as Unit Operator; Mobil Producing Texas and New Mexico Inc., as Sub-Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico Inc., as Sub-Operator, plan to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to this office.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,


James R. Permenter
Attorney-In-Fact

JRP:tlm
Enclosure
Lindrith Unit, 3.0
Doc. #0033L

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 2-26-88

The foregoing approvals for the 1988 Drilling Program for the
Lindrith Unit, I Sec. No. 713, San Juan County, New Mexico.

LINDRITH UNIT
WORKING INTEREST OWNERS

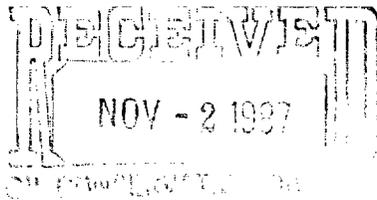
Conoco, Inc.

FPCO Oil & Gas Co. (Petro-Lewis Corporation)

Mobil Exploration and Producing

Tenneco Oil Company

MERIDIAN OIL



October 28, 1987

Bureau of Land Management
South Central Region
435 Montaon N. E.
Albuquerque, New Mexico 87107

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1987 Drilling Program

Gentlemen:

The 1987 Drilling Program for the Lindrith Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management	10-20-87
Commissioner of Public Lands	9-03-87
Oil Conservation Division	9-30-87

Copies of this letter are being sent to the working interest owners of the above unit.

Yours very truly,

A handwritten signature in cursive script that reads "Van L. Goebel".

Van L. Goebel
Landman

VLG:gm
Lindrith Unit, 3.0
Doc. #0325L

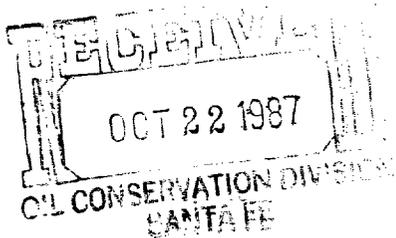
LINDRITH UNIT
WORKING INTEREST OWNERS

Conoco, Inc.

Mobil Exploration and Producing

FPCO Oil & Gas Co. (Petro-Lewis Corporation)

Tenneco Oil Company



OCT 20 1987

Lindrith (POD)
3180 (015)

El Paso Natural Gas Company
ATTN: James R. Permenter
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

Two approved copies of your 1987 Plan of Development for the Lindrith Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing no development drilling during 1987 and the cancellation of 28 Dakota wells from the 1986 drilling plan was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 761-4503.

Sincerely,

(Orig. Signed) - Sid Vogelwohl

Assistant District Manager
Mineral Resources

Enclosure

cc:

WFOCD, Santa Fe w/o encl.

Comm. of Pub. Lands, Santa Fe w/o encl.

NM-016

015:RKent:rvh:10/16/87:3568M

August 26, 1987

Bureau of Land Management
South Central Region
435 Montano N.E.
Albuquerque, New Mexico 87107

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1987 Drilling Program

Gentlemen:

By letters dated February 26, 1986, and October 8, 1986, El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Unit Sub-Operator, submitted Drilling Programs providing for the drilling of thirty-two (32) Dakota wells, and three (3) Gallup wells. Mobil drilled the B #31, B #44, B #45, B #46 Dakota wells and the B #72, B #73, B #74 Gallup wells that were proposed on these programs. Listed below are wells that were proposed but subsequently have been cancelled from the 1986 Program:

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
*B #36	NE/4 SW/4 Section 10, T24N, R3W	Dakota
B #39	NW/4 SE/4 Section 15, T24N, R3W	Dakota
*B #43	NE/4 NW/4 Section 22, T24N, R3W	Dakota
*B #47	NE/4 SE/4 Section 28, T24N, R3W	Dakota
B #48	NW/4 NW/4 Section 16, T24N, R3W	Dakota
B #49	NW/4 NE/4 Section 16, T24N, R3W	Dakota
B #50	NW/4 NW/4 Section 15, T24N, R3W	Dakota
B #51	SE/4 NW/4 Section 16, T24N, R3W	Dakota
B #52	SE/4 NE/4 Section 16, T24N, R3W	Dakota
B #53	SE/4 NW/4 Section 15, T24N, R3W	Dakota
B #54	NW/4 SW/4 Section 16, T24N, R3W	Dakota
B #55	NW/4 SE/4 Section 16, T24N, R3W	Dakota
B #56	NW/4 SW/4 Section 15, T24N, R3W	Dakota
*B #57	SE/4 SW/4 Section 16, T24N, R3W	Dakota
*B #58	SE/4 SE/4 Section 16, T24N, R3W	Dakota
B #59	SE/4 SW/4 Section 15, T24N, R3W	Dakota
B #60	NW/4 NW/4 Section 21, T24N, R3W	Dakota
B #61	NW/4 NE/4 Section 21, T24N, R3W	Dakota
B #62	SE/4 NW/4 Section 21, T24N, R3W	Dakota

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
B #63	SE/4 NE/4 Section 21, T24N, R3W	Dakota
B #64	NW/4 SW/4 Section 21, T24N, R3W	Dakota
B #65	NW/4 SE/4 Section 21, T24N, R3W	Dakota
B #66	SE/4 SW/4 Section 21, T24N, R3W	Dakota
B #67	SE/4 SE/4 Section 21, T24N, R3W	Dakota
*B #68	NW/4 NE/4 Section 28, T24N, R3W	Dakota
B #69	NE/4 NE/4 Section 15, T24N, R3W	Dakota
B #70	SW/4 SE/4 Section 10, T24N, R3W	Dakota
B #71	SW/4 NE/4 Section 22, T24N, R3W	Dakota

*These wells were originally submitted in 1985 but were carried over to 1986.

As of this date, the number of wells in this Unit is as follows:

Pictured Cliffs, Commercial	93
Pictured Cliffs, Non-Commercial	5
Pictured Cliffs, Being Evaluated	8
Pictured Cliffs, Plugged & Abandoned	<u>9</u>
	115

LINDRITH "B" UNIT

By Designation of Sub-Operator, dated May 7, 1979, El Paso Natural Gas Company designated Mobil Oil Corporation as Operator of the Lindrith Unit for all formations below the base of the Pictured Cliffs formation (except as to the Dakota formation in the W/2 Section 34, T24N, R3W).

As of this date the total number of wells in the Lindrith "B" Unit is as follows:

Chacon Dakota	39
Dakota, Non-Commercial, Temporarily Abandoned	1
Dakota, Plugged & Abandoned	1
Gallup, Being Evaluated	6
Gallup, Non-Commercial	<u>1</u>
	48

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Operator of the Lindrith Unit and on behalf of Mobil Producing Texas & New Mexico Inc., successor to Mobil Oil Corporation as Sub-Operator of the Lindrith Unit, respectfully submits for your approval the 1987 Plan of Development providing for the drilling of no wells during calendar year 1987.

August 26, 1987

All working interest owners have been contacted regarding this Drilling Program. El Paso Natural Gas Company, as Unit Operator; Mobil Producing Texas and New Mexico Inc., as Sub-Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico Inc., as Sub-Operator, plan to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to this office.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,


James R. Permenter
Attorney-In-Fact

JRP:VLG:LD:gm
Enclosure
Lindrith Unit, 3.0
Doc. #0033L

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 9-30-87

The foregoing approvals for the 1987 Drilling Program for the
Lindrith Unit, I Sec. No. 713, San Juan County, New Mexico.

LINDRITH UNIT
WORKING INTEREST OWNERS

Conoco, Inc.

Mobil Exploration and Producing

Petro-Lewis Corporation

Tenneco Oil Company

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



SLO REF. NO. OG-398

Commissioner of Public Lands

September 3, 1987

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

Meridian Oil Inc.
Attention: Van L. Goebel
3535 East 30th Street
P. O. Box 4289
Farmington, New Mexico 87499

Re: Lindrith Unit
1987 Plan of Development
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all appropriate agencies.

If we may be of further help, please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil & Gas Division
(505) 827-5744

WRH/FOP/ams
enclosure
cc: Bureau of Land Management
Oil Conservation Division

#159

MERIDIAN OIL

April 10, 1987

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1987 Drilling Program

Gentlemen:

By letters dated February 26, 1986, and October 8, 1986, Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Unit Sub-Operator, submitted Drilling Programs providing for the drilling of thirty-two (32) Dakota wells, and three (3) Gallup wells. Mobil drilled the B #31, B #44, B #45, B #46 Dakota wells and the B #72, B #73, B #74 Gallup wells that were proposed on these programs. Listed below are wells that were proposed but subsequently have been cancelled from the 1986 Program:

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
*B #36	NE/4 SW/4 Section 10, T24N, R3W	Dakota
B #39	NW/4 SE/4 Section 15, T24N, R3W	Dakota
*B #43	NE/4 NW/4 Section 22, T24N, R3W	Dakota
*B #47	NE/4 SE/4 Section 28, T24N, R3W	Dakota
B #48	NW/4 NW/4 Section 16, T24N, R3W	Dakota
B #49	NW/4 NE/4 Section 16, T24N, R3W	Dakota
B #50	NW/4 NW/4 Section 15, T24N, R3W	Dakota
B #51	SE/4 NW/4 Section 16, T24N, R3W	Dakota
B #52	SE/4 NE/4 Section 16, T24N, R3W	Dakota
B #53	SE/4 NW/4 Section 15, T24N, R3W	Dakota
B #54	NW/4 SW/4 Section 16, T24N, R3W	Dakota
B #55	NW/4 SE/4 Section 16, T24N, R3W	Dakota
B #56	NW/4 SW/4 Section 15, T24N, R3W	Dakota
*B #57	SE/4 SW/4 Section 16, T24N, R3W	Dakota
*B #58	SE/4 SE/4 Section 16, T24N, R3W	Dakota
B #59	SE/4 SW/4 Section 15, T24N, R3W	Dakota
B #60	NW/4 NW/4 Section 21, T24N, R3W	Dakota
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B #62	SE/4 NW/4 Section 21, T24N, R3W	Dakota

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
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B #65	NW/4 SE/4 Section 21, T24N, R3W	Dakota
B #66	SE/4 SW/4 Section 21, T24N, R3W	Dakota
B #67	SE/4 SE/4 Section 21, T24N, R3W	Dakota
*B #68	NW/4 NE/4 Section 28, T24N, R3W	Dakota
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B #70	SW/4 SE/4 Section 10, T24N, R3W	Dakota
B #71	SW/4 NE/4 Section 22, T24N, R3W	Dakota

*These wells were originally submitted in 1985 but were carried over to 1986.

As of this date, the number of wells in this Unit is as follows:

Pictured Cliffs, Commercial	93
Pictured Cliffs, Non-Commercial	5
Pictured Cliffs, Being Evaluated	8
Pictured Cliffs, Plugged & Abandoned	<u>9</u>
	115

LINDRITH "B" UNIT

By Designation of Sub-Operator, dated May 7, 1979, El Paso Natural Gas Company designated Mobil Oil Corporation as Operator of the Lindrith Unit for all formations below the base of the Pictured Cliffs formation (except as to the Dakota formation in the W/2 Section 34, T24N, R3W).

As of this date the total number of wells in the Lindrith "B" Unit is as follows:

Chacon Dakota	39
Dakota, Non-Commercial, Temporarily Abandoned	1
Dakota, Plugged & Abandoned	1
Gallup, Being Evaluated	6
Gallup, Non-Commercial	<u>1</u>
	48

Pursuant to Section 9 of the Lindrith Unit Agreement, Meridian Oil, as Operator of the Lindrith Unit and on behalf of Mobil Producing Texas & New Mexico Inc., successor to Mobil Oil Corporation as Sub-Operator of the Lindrith Unit, respectfully submits for your approval the 1987 Plan of Development providing for the drilling of no wells during calendar year 1987.

April 10, 1987

All working interest owners have been contacted regarding this Drilling Program. Meridian Oil, as Unit Operator; Mobil Producing Texas and New Mexico Inc., as Sub-Operator, and the working interest owners believe that all current obligations have been satisfied.

Meridian Oil, as Unit Operator, and Mobil Producing Texas and New Mexico Inc., as Sub-Operator, plan to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the address below.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Alan Alexander
District Land Manager 

AA:VLG:LD:tlm
Enclosure
Lindrith Unit, 3.0
Doc. #0356L

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 4-17-87

The foregoing approvals for the 1987 Drilling Program for the
Lindrith Unit, I Sec. No. 713, San Juan County, New Mexico.

LINDRITH UNIT
WORKING INTEREST OWNERS

Conoco, Inc.

Mobil Oil Corporation

Petro-Lewis Corporation

Tenneco Oil Company

MERIDIAN OIL
RECEIVED
NOV - 3 1986
OIL CONSERVATION DIVISION
SANTA FE

October 31, 1986

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
First Amendment to
1986 Drilling Program

Gentlemen:

The First Amendment to the 1986 Drilling Program for the Lindrith Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management	10-23-86
Commissioner of Public Lands	10-23-86
Oil Conservation Division	10-16-86

Copies of this letter are being sent to the working interest owners of the above unit.

Yours very truly,



Van L. Goebel
Landman

VLG:LD:tlm
Lindrith Unit, 3.0
Doc. #0637L

LINDRITH UNIT
WORKING INTEREST OWNERS

Mobil Texas & New Mexico Producing, Inc.

Tenneco Oil Company

Conoco, Inc.

Petro-Lewis Corporation



JIM BACA
COMMISSIONER

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

October 23, 1986

Meridian Oil Inc.
ATTENTION: Mr. Alan Alexander
P. O. Box 4289
Farmington, New Mexico 87499

Re: Lindrith Unit
First Amendment to
1986 Drilling Program
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your First Amendment to the 1986 Plan of Development for the Lindrith Unit Area, Rio Arriba County, New Mexico. Such plan calls for the drilling of the Unit Well Nos. B72, B73 and B74 to test the Gallup formation.

Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

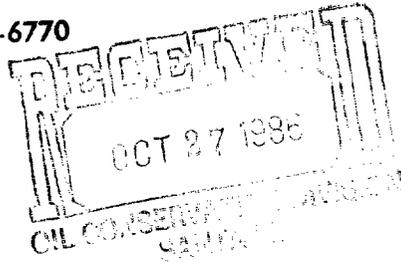
JB/FOP/pm
encls.

cc: QCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
Mobil-Attn: Mr. Tom Parket

Bureau of Land Management
Albuquerque District Office
Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770

Lindrith Unit
Unit POD
3180 (015)

OCT 23 1986



Meridian Oil
Attn: Alan Alexander
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

Two approved copies of your amended 1986 Plan of Development for the Lindrith Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing to drill three additional Gallup wells, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 766-2841.

Sincerely,

(Orig. Signed) - Sid Vogelwohl

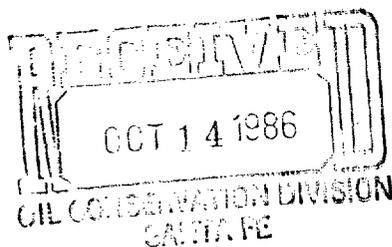
For District Manager

Enclosure(s)

cc:
Micrographics 943B-1
Fluids Section FRAH
✓ NMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
O&G Chron

015:RKent:gcb:10-22-86:2383M

MERIDIAN OIL



October 8, 1986

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
First Amendment to
1986 Drilling Program

Gentlemen:

By letter dated February 26, 1986, Meridian Oil, on behalf of the Unit Operator of the Lindrith Unit, filed a Drilling Program covering the captioned Unit for the calendar year 1986, which has been approved. Mobil Producing Texas & New Mexico, Inc., as successor to Mobil Oil Corporation, sub-operator of the Lindrith "B" Unit, requests that the 1986 Drilling Program be amended to provide for the drilling of the following wells:

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
B #72	NE/4 NE/4 Section 8, T24N, R2W	Gallup
B #73	NE/4 NE/4 Section 6, T24N, R2W	Gallup
B #74	NE/4 NE/4 Section 9, T24N, R2W	Gallup

All working interest owners have been contacted regarding this Amendment. Meridian Oil, on behalf of the Unit Operator, and Mobil as sub-operator, believe that all current obligations have been satisfied.

Meridian Oil, on behalf of the Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the Unit Operator and the working interest owners.

October 8, 1986

If this Amendment to the Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Yours very truly,



Alan Alexander
District Land Manager

AA/tlm
Attachments
Lindrith Unit, 3.0
Doc. #0356L

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 10-16-86

The foregoing approvals for the First Amendment to the 1986 Drilling Program for the Lindrith Unit, I Sec. No. 713, San Juan County, New Mexico.

LINDRITH UNIT
WORKING INTEREST OWNERS

Mobil Oil Corporation

Tenneco Oil Company

Conoco, Inc.

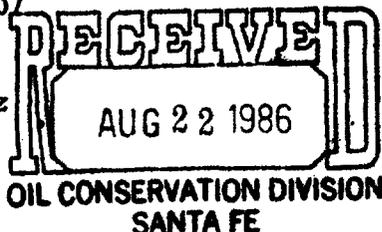
Petro-Lewis Corporation

MERIDIAN OIL

August 19, 1986

Bureau of Land Management
South Central Region
Attention: District Manager
435 Montano Road, N.E.
Albuquerque, New Mexico 87107

Commissioner of Public Lands
Attention: Mr. Pete Martinez
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501



#159

Oil Conservation Division
State of New Mexico
Attention: Mr. David Catanach
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

Re: Lindrith Unit
Rio Arriba County, New Mexico

Gentlemen:

By Conveyance dated July 16, 1986, El Paso Natural Gas Company conveyed all of its rights in various leases, lands and wells to El Paso Production Company. Included in these properties were all of Gas Company's rights in the referenced Unit.

Meridian Oil Inc. is in the process of replacing El Paso Natural Gas Company as operator of the wells and units (including the Lindrith Unit) transferred by the Conveyance of July 16, 1986, and will operate these properties on behalf of El Paso Production Company.

El Paso Natural Gas Company and Meridian Oil Inc. are wholly owned subsidiaries of Burlington Northern, Inc., and El Paso Production Company is a wholly owned subsidiary of El Paso Natural Gas Company.

All correspondence pertaining to the referenced unit should be directed to the same individuals at the same addresses as in the past. If you have any questions or comments concerning this matter, or this letter, please contact the undersigned.

Copies of this letter are being sent to the working interest owners of the above referenced unit.

Yours very truly,

A handwritten signature in cursive script that reads "Alan Alexander".

Alan Alexander
District Land Manager

AA/tlm
Lindrith Unit, 5.0
Doc. #0794L

**LINDRITH UNIT
WORKING INTEREST OWNERS**

Mobil Oil Corporation

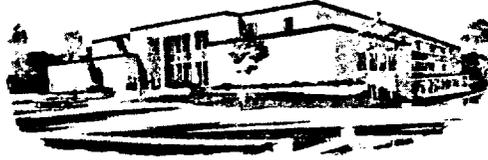
Tenneco Oil Company

Conoco, Inc.

Petro-Lewis Corporation

State of New Mexico

#159



JIM BACA
COMMISSIONER

Commissioner of Public Lands

March 24, 1986

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Uses
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Meridian Oil Inc.
ATTN: Mr. Alan Alexander
P. O. Box 4289
Farmington, New Mexico 87499

Re: Lindrith Unit
1986 Drilling Program
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1986 Drilling Program for the Lindrith Unit Area, Rio Arriba County, New Mexico. Your Drilling Program calls for the drilling of 32 Wells to test the Dakota formation. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

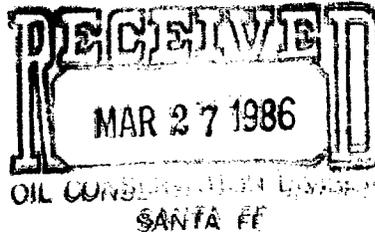
JB/FOP/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

Bureau of Land Management
Albuquerque District Office
Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770

Lindrith Unit
POD 3180 (015)

MAR 25 1986



Meridian Oil
ATTN: Alan Alexander
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

Two approved copies of your 1986 Plan of Development for the Lindrith Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing thirty-two (32) Chaco Dakota Formation wells, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Shirley Bryant at the above address or telephone (505) 766-2841.

Sincerely,

(Orig. Signed) - GARY A. STEPHENS

For District Manager

Enclosures

cc:
NMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943B-1
Fluids Section FRAH
O&G Chron

015:SBryant:kim:3-20-86:165AM

RECEIVED
FEB 26 1986

MERIDIAN OIL

February 26, 1986

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit, I Sec. No. 713
Rio Arriba County, New Mexico
1986 Drilling Program

Gentlemen:

By letters dated January 29, 1985, May 31, 1985, and October 7, 1985, Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico, Inc., as Unit Sub-Operator, submitted Drilling Programs providing for the drilling of four (4) Pictured Cliffs wells, nineteen (19) Dakota wells, and three (3) Gallup wells.

As of this date, the number of wells in this Unit is as follows:

Pictured Cliffs, Commercial	93
Pictured Cliffs, Non-Commercial	5
Pictured Cliffs, Being Evaluated	8
Pictured Cliffs, Plugged & Abandoned	<u>9</u>
	115

LINDRITH "B" UNIT

By Designation of Sub-Operator, dated May 7, 1979, El Paso Natural Gas Company designated Mobil Oil Corporation as Operator of the Lindrith Unit for all formations below the base of the Pictured Cliffs formation (except as to the Dakota formation in the W/2 Section 34, T24N, R3W).

As of this date the total number of wells in the Lindrith "B" Unit is as follows:

Chacon Dakota	32
Dakota, Non-Commercial	1
Dakota, Plugged & Abandoned	1
Gallup, Being Evaluated	3
Gallup, Non-Commercial	<u>1</u>
	38

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Operator of the Lindrith Unit on behalf of and at the request of Mobil Producing Texas & New Mexico Inc., successor to Mobil Oil Corporation as Sub-Operator of the Lindrith Unit, respectfully submits for your approval the 1986 Plan of Development for the Chacon Dakota Formation, designated as the Lindrith "B" Unit providing for the drilling of the following wells during calendar year 1986.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
*B #31	NE/4 NW/4 Section 21, T24N, R3W	Dakota
*B #36	NE/4 SW/4 Section 10, T24N, R3W	Dakota
B #39	NW/4 SE/4 Section 15, T24N, R3W	Dakota
*B #43	NE/4 NW/4 Section 22, T24N, R3W	Dakota
*B #44	NE/4 SW/4 Section 21, T24N, R3W	Dakota
*B #45	NE/4 NW/4 Section 28, T24N, R3W	Dakota
*B #46	NE/4 NE/4 Section 28, T24N, R3W	Dakota
*B #47	NE/4 SE/4 Section 28, T24N, R3W	Dakota
B #48	NW/4 NW/4 Section 16, T24N, R3W	Dakota
B #49	NW/4 NE/4 Section 16, T24N, R3W	Dakota
B #50	NW/4 NW/4 Section 15, T24N, R3W	Dakota
B #51	SE/4 NW/4 Section 16, T24N, R3W	Dakota
B #52	SE/4 NE/4 Section 16, T24N, R3W	Dakota
B #53	SE/4 NW/4 Section 15, T24N, R3W	Dakota
B #54	NW/4 SW/4 Section 16, T24N, R3W	Dakota
B #55	NW/4 SE/4 Section 16, T24N, R3W	Dakota
B #56	NW/4 SW/4 Section 15, T24N, R3W	Dakota
*B #57	SE/4 SW/4 Section 16, T24N, R3W	Dakota
*B #58	SE/4 SE/4 Section 16, T24N, R3W	Dakota
B #59	SE/4 SW/4 Section 15, T24N, R3W	Dakota
B #60	NW/4 NW/4 Section 21, T24N, R3W	Dakota
B #61	NW/4 NE/4 Section 21, T24N, R3W	Dakota
B #62	SE/4 NW/4 Section 21, T24N, R3W	Dakota
B #63	SE/4 NE/4 Section 21, T24N, R3W	Dakota
B #64	NW/4 SW/4 Section 21, T24N, R3W	Dakota
B #65	NW/4 SE/4 Section 21, T24N, R3W	Dakota
B #66	SE/4 SW/4 Section 21, T24N, R3W	Dakota
B #67	SE/4 SE/4 Section 21, T24N, R3W	Dakota
*B #68	NW/4 NE/4 Section 28, T24N, R3W	Dakota
B #69	NE/4 NE/4 Section 15, T24N, R3W	Dakota
B #70	SW/4 SE/4 Section 10, T24N, R3W	Dakota
B #71	SW/4 NE/4 Section 22, T24N, R3W	Dakota

*These wells were originally submitted in 1985 but will now be carried over to 1986.

All working interest owners have been contacted regarding this Drilling Program. Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator; Mobil Producing Texas and New Mexico Inc., as Sub-Operator, and the working interest owners believe that all current obligations have been satisfied.

Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, and Mobil Producing Texas and New Mexico Inc., as Sub-Operator, plan to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the address below.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Alan Alexander
District Land Manager

AA:VLG:LD:tlm
Enclosure
Lindrith Unit, 3.0
Doc. #0356L

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED: 
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 3-3-86

The foregoing approvals for the 1986 Drilling Program for the
Lindrith Unit, I Sec. No. 713, San Juan County, New Mexico.

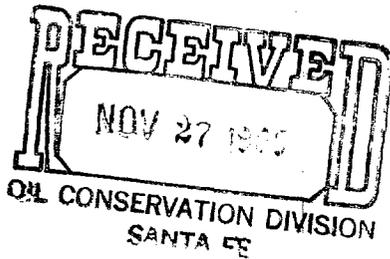
**LINDRITH UNIT
WORKING INTEREST OWNERS**

Mobil Oil Corporation

Tenneco Oil Company

Conoco, Inc.

Petro-Lewis Corporation



Lindrieth Unit POD
3180 (015)

NOV 26 1985

Meridian Oil, Inc.
ATTN: Mr. Alan Alexander
3535 East 30th St.
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

Two approved copies of your Second Amendment to the 1985 Plan of Development for the Lindrieth Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing the drilling of the following wells,

<u>WELL NO.</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
B No. 43	NE1/4NW1/4 Section 22, T. 24 N., R. 3 W.	Dakota
B No. 47	NE1/4SE1/4 Section 28, T. 24 N., R. 3 W.	Dakota
B No. 57	SE1/4SW1/4 Section 16, T. 24 N., R. 3 W.	Dakota
B No. 58	SE1/4SE1/4 Section 16, T. 24 N., R. 3 W.	Dakota
B No. 68	NW1/4NE1/4 Section 28, T. 24 N., R. 3 W.	Dakota

was approved this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact John Gilmore at the above address or telephone (505) 766-2841.

Sincerely,

(Orig. Signed) GARY A. STEPHENS

For District Manager

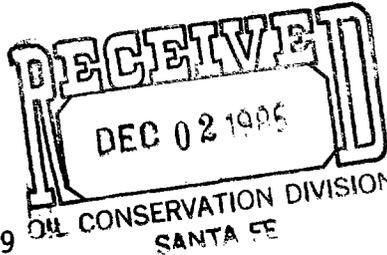
Enclosure(s)

cc:
✓ NMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943B-1
Fluids Section FRAH
O&G Chron
015:JGilmore:kln:11-22-85:1260M

Mobil Producing Texas & New Mexico Inc.

November 25, 1985

El Paso Natural Gas Company
c/o Meridian Oil Inc.
Attention: Mr. Alan Alexander
P. O. Box 4289
Farmington, New Mexico 87499-4289



P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

1986 PLAN OF DEVELOPMENT
AND OPERATION
LINDRITH UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc. (Mobil), successor to Mobil Oil Corporation as Sub-Operator for the Lindrith Unit Agreement, requests that El Paso Natural Gas Company, as Operator for the Lindrith Unit Agreement, submit for approval of the Bureau of Land Management, the New Mexico Commissioner of Public Lands and the New Mexico Oil Conservation Division the 1986 Plan of Development and Operation for the Lindrith "B" Unit providing for the drilling of the following wells during calendar year 1986:

<u>Well No.</u>	<u>Location</u>	<u>Objective Formation</u>
B #36	NE/4SW/4 10-T24N-R3W	Dakota
B #39	NW/4SE/4 15-T24N-R3W	Dakota
B #48	NW/4NW/4 16-T24N-R3W	Dakota
B #49	NW/4NE/4 16-T24N-R3W	Dakota
B #50	NW/4NW/4 15-T24N-R3W	Dakota
B #51	SE/4NW/4 16-T24N-R3W	Dakota
B #52	SE/4NE/4 16-T24N-R3W	Dakota
B #53	SE/4NW/4 15-T24N-R3W	Dakota
B #54	NW/4SW/4 16-T24N-R3W	Dakota
B #55	NW/4SE/4 16-T24N-R3W	Dakota
B #56	NW/4SW/4 15-T24N-R3W	Dakota
B #59	SE/4SW/4 15-T24N-R3W	Dakota
B #60	NW/4NW/4 21-T24N-R3W	Dakota
B #61	NW/4NE/4 21-T24N-R3W	Dakota
B #62	SE/4NW/4 21-T24N-R3W	Dakota
B #63	SE/4NE/4 21-T24N-R3W	Dakota
B #64	NW/4SW/4 21-T24N-R3W	Dakota
B #65	NW/4SE/4 21-T24N-R3W	Dakota
B #66	SE/4SW/4 21-T24N-R3W	Dakota
B #67	SE/4SE/4 21-T24N-R3W	Dakota
B #69	NE/4NE/4 15-T24N-R3W	Dakota
B #70	SW/4SE/4 10-T24N-R3W	Dakota
B #71	SW/4NE/4 22-T24N-R3W	Dakota

Mobil

El Paso Natural Gas Company/Mr. Alan Alexander
November 25, 1985
Page 2

Please advise Mobil as soon as the requisite federal and state approvals have been obtained for the hereinabove proposed 1986 Plan of Development and Operation for the Lindrith "B" Unit.

If we may be of any further assistance in this regard, do not hesitate to contact Mr. Thomas M. Parker at the letterhead address or (915) 688-2106.

Very truly yours,

MOBIL PRODUCING TEXAS & NEW MEXICO INC. *tmp*


J. B. Huckabay
Land Manager *NRS*

TMP/bdp
11/12.15-16

cc: Conoco, Inc.
Attn: Mr. Boyd E. Nelson
P. O. Box 1959
Midland, Texas 79702

Petro-Lewis Corporation
Attn: Ms. Karla Konopka
P. O. Box 2250
Denver, Colorado 80201

Tenneco Oil Company
Attn: Mr. Carley Watkins
P. O. Box 3249
Englewood, Colorado 80155

bcc: Bureau of Land Management
Albuquerque District Office
505 Marquette, N.W.
P. O. Box 6770
Albuquerque, New Mexico 87197-6770

Commission of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

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

Bureau of Land Management
Albuquerque District Office
Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770

Lindrith Unit
3100 (015) (PA)

MAR 14 1986

Mobil Producing Texas and New Mexico, Inc.
ATTN: Tom Parker
P.O. Box 633
Midland, TX 79702

Gentlemen:

Your application of August 26, 1985, requesting approval of the fourth revision to the Dakota Participating Area for the Lindrith Unit Agreement, Rio Arriba County, New Mexico was approved on this date and is effective as of November 1, 1984.

This application proposes to add 160.00 acres described as NW $\frac{1}{4}$ section 9, T. 24 N., R. 3 W., NMPM, bringing the total acreage in the participating area to 3200.00 acres. The fourth revision to the participating area is based on the completion of unit well No. 26.

Copies of the approved application are being distributed to the appropriate Federal offices and an approved copy is being returned for your files. You are requested to furnish all interested parties with appropriate evidence of this approval.

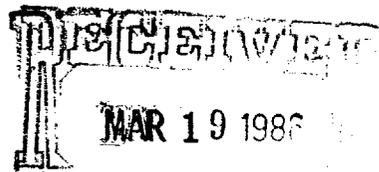
If you have any questions, please contact Robert Kent at the above address or telephone (505) 766-2841.

Sincerely,

(Orig. Signed) - GARY A. STEPHENS

For District Manager

cc:
Micrographs (943B-1)
FRAH Fluids (016)
✓ NMOCD, Santa Fe
Com. of Public Lands
O&G chron
015:RKent:kms:3-11-86:1600M



State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

April 1, 1986

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Uses
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Mobil Producing Tx. and NM., Inc.
Attn: Mr. Tom Parker
P. O. Box 633
Midland, Texas 79702

Re: Application for approval of the Fourth Revision of the Participating area for the Dakota formation Lindrith Unit Area, Rio Arriba County, New Mexico.

Gentlemen:

The Commissioner of Public Lands has this date approved your application of August 26, 1985, entitled Application for approval of the Fourth Revision of the Participating area for the Dakota formation for the Lindrith Unit Area, Rio Arriba County, New Mexico.

This fourth revision of the participating area is predicated upon the knowledge and information first obtained upon completion in paying quantities under the terms of the unit agreement on October 31, 1984 of the unit well No. B-26, in NW/4 of Section 9, T-24N, Range 3 West, with an initial potential of 178 BOPD and 308 MCFGPD, from the Dakota formation at a gross interval depth of 7390' to 7600'. The effective date of this fourth revision is November 1, 1984 and adds 160.00 acres described as the NW/4 of Section 9, Township 24 North, Range 3 West, bringing the total acreage in the participating area to 3,200.00 acres.

Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.
on us.

If we may be of further help please do not hesitate to call
on us.

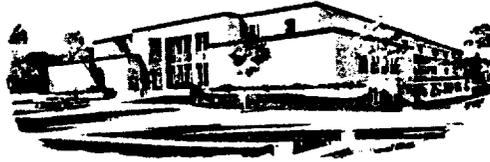
Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS
BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

JB/FOP/pm
encs.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

October 16, 1985

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Uses
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Meridian Oil Inc.
P. O. Box 4289
Farmington, New Mexico 87499

Re Lindrith Unit
Rio Arriba County, New Mexico
Second Amendment to
1985 Drilling Program

ATTENTION: Mr. Alan Alexander

Gentlemen:

The Commissioner of Public Lands has this date approved your Second Amendment to your 1985 Drilling Program for the Lindrith Unit Area, Rio Arriba County, New Mexico. Such amendment advises that Mobil Oil Corp., sub-operator of the Lindrith Unit proposes to drill five additional Dakota wells. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

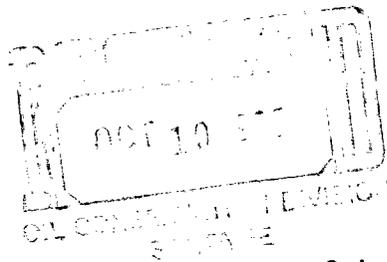
JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

MERIDIAN OIL



October 7, 1985

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

re: Lindrith Unit I Section No. 713
Rio Arriba County, New Mexico,
Second Amendment to
1985 Drilling Program

Gentlemen:

By letters dated January 29, 1985, and May 31, 1985, El Paso Natural Gas Company, as Unit Operator of the Lindrith Unit filed a Drilling Program covering the captioned Unit for the calendar year 1985, which has been approved. Mobil Oil Corporation, sub-operator of the Lindrith "B" Unit, requests that the 1985 Drilling Program be amended to provide for the drilling of the following wells.

<u>WELL NO.</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
B #43	NE/4 NW/4 Section 22, T24N, R3W	Dakota
B #47	NE/4 SE/4 Section 28, T24N, R3W	Dakota
B #57	SE/4 SW/4 Section 16, T24N, R3W	Dakota
B #58	SE/4 SE/4 Section 16, T24N, R3W	Dakota
B #68	NW/4 NE/4 Section 28, T24N, R3W	Dakota

All working interest owners have been contacted and this Drilling Program meets their approval. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

October 7, 1985

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Yours very truly,



Alan Alexander
District Land Manager *aa*

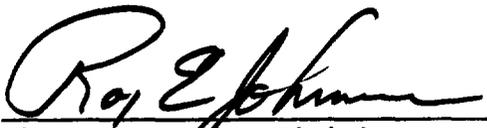
AA:VLG/tlm
Attachments
Lindrith Unit, 3.0
Doc. #0117L

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 10-10-85

The foregoing approvals for the Second Amendment to the 1985 Drilling Program for the Lindrith Unit, Section No. 713, Rio Arriba County, New Mexico,.

LINDRITH UNIT
WORKING INTEREST OWNERS

Mobil Oil Corporation

Tenneco Oil Company

Conoco, Inc.

Petro-Lewis Corporation

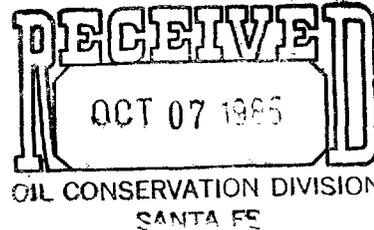
Mobil Producing Texas & New Mexico Inc.

October 4, 1985

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

El Paso Natural Gas Company
c/o Meridian Oil Inc.
Attention: Mr. Alan Alexander
P. O. Box 4289
Farmington, New Mexico 87499-4289



SECOND SUPPLEMENT TO 1985 PLAN
OF DEVELOPMENT AND OPERATION
LINDRITH UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc., successor to Mobil Oil Corporation as Sub-Operator for the Lindrith Unit Agreement, requests that El Paso Natural Gas Company supplement the 1985 Plan of Development and Operation for the captioned unit with the Bureau of Land Management, the New Mexico Commissioner of Public Lands and the New Mexico Oil Conservation Division with the addition of the following wells:

<u>Well No.</u>	<u>Drilling Block</u>	<u>Objective Formation</u>
B#43	NE/4NW/4 22-T24N-R3W	Dakota
B#47	NE/4SE/4 28-T24N-R3W	Dakota
B#57	SE/4SW/4 16-T24N-R3W	Dakota
B#58	SE/4SE/4 16-T24N-R3W	Dakota
B#68	NW/4NE/4 28-T24N-R3W	Dakota

If we may be of any further assistance in this regard, do not hesitate to contact Mr. Thomas M. Parker at the letterhead address or (915) 688-2106.

Very truly yours,


J. B. Huckabay
Land Manager

TMP/cim
10/4.4

Mobil

bcc: United States Department of the Interior
Bureau of Land Management
Albuquerque District Office
505 Marquette, N.W.
P. O. Box 6770
Albuquerque, New Mexico 87197-6770

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

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

G. S. Smith
G. E. Tate

Dot - we are in receipt of unit letter

The [unclear]

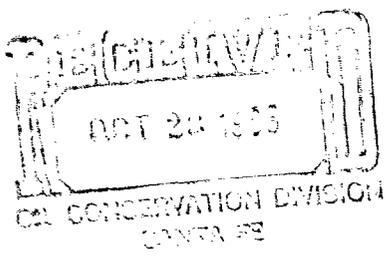
Mobil Producing Texas & New Mexico Inc.

#159

September 25, 1985 P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

Bureau of Land Management
Albuquerque District Office
505 Marquette, N.W.
P. O. Box 6770
Albuquerque, New Mexico 87197-6770



Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

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

OK
10-29-85

APPLICATION FOR APPROVAL OF THE
FIFTH REVISION OF THE PARTICIPATING
AREA FOR THE DAKOTA FORMATION
LINDRITH UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc. (Mobil), as Sub-Operator for the Lindrith Unit Agreement, pursuant to the provisions of Section 10 thereof, respectfully submits for your approval the selection of the following described lands to constitute the fifth revision to the participating area for the Dakota producing formation, to-wit:

T-24-N, R-3-W, N.M.P.M.
Section 10: SW/4

containing 160.00 acres, more or less.

In support of this application, the following items are attached hereto and made a part hereof:

- (1) Exhibit A showing thereon the boundaries of the unit area, the participating area as heretofore established, and the proposed revision herein;

Mobil

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
September 25, 1985
Page 2

- (2) Exhibit B showing the lands entitled to participation in the unitized substances produced from the Dakota formation, with the percentage of participation of each tract indicated thereon.

Mobil is submitting separately in triplicate, a geologic and engineering report supporting and justifying the proposed selection of the fifth revision of the participating area.

This proposed fifth revision of the participating area is predicated upon the knowledge and information first obtained upon completion in paying quantities under the terms of the unit agreement on February 6, 1985 of unit well No. B-27, in SW/4 Section 10, T-24-N, R-3-W, N.M.P.M., with an initial potential of 137 BOPD and 307 MCFGPD, from the Dakota formation at a gross interval depth of 7312' to 7513'. The effective date of this fifth revision shall be March 1, 1985, pursuant to Section 10 of the unit agreement.

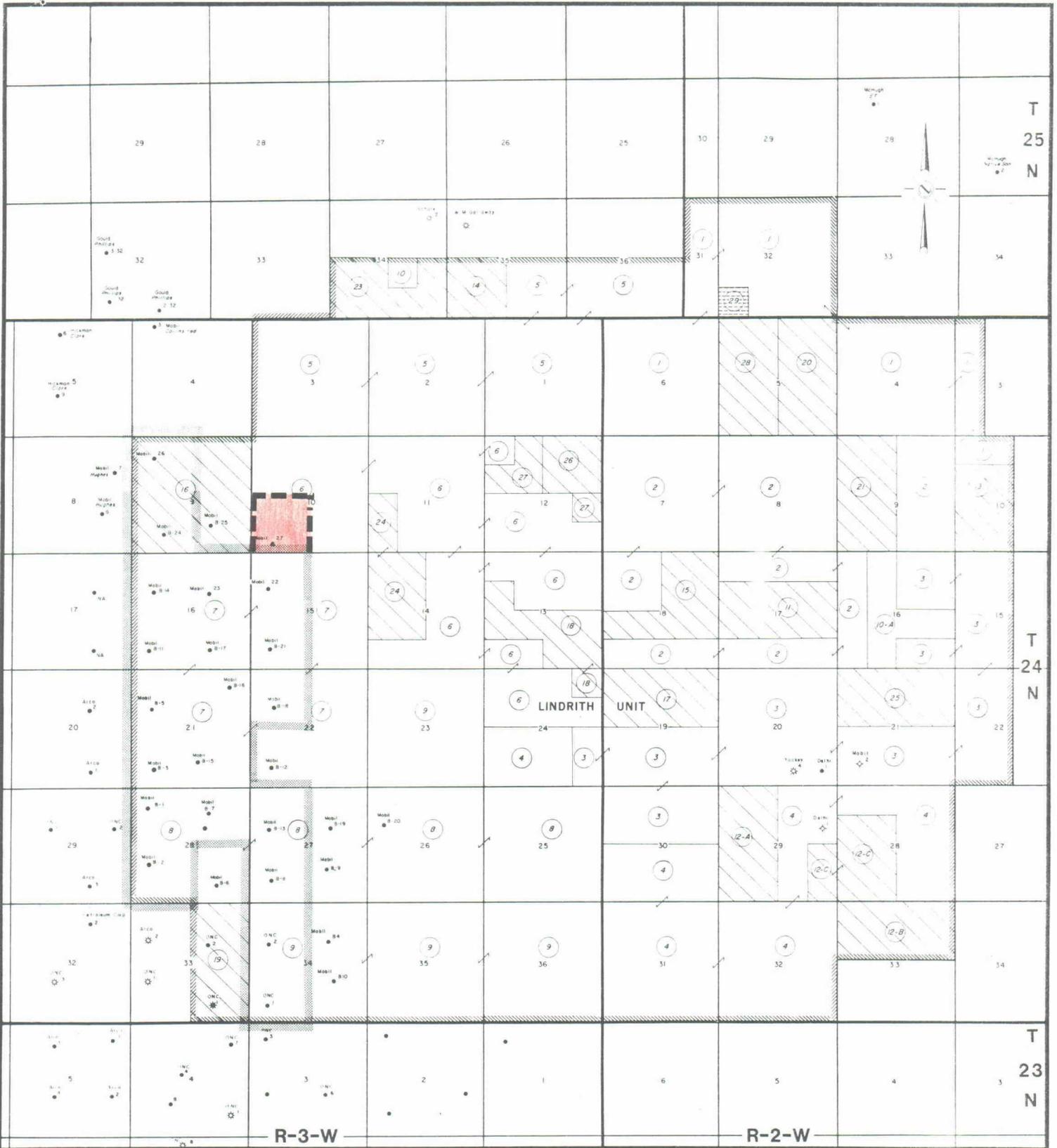
Consequently, Mobil respectfully requests your approval of the hereinabove selection of lands to constitute the fifth revision of the participating area to be effective March 1, 1985.

Respectfully submitted,

MOBIL PRODUCING TEXAS & NEW MEXICO INC.


J. B. Huckabay
Attorney-in-Fact

TMP/ka
7/31.6
Attachments



-  Federal Land
-  State Land
-  Fee Land
-  Unit Area Boundary
-  Tract Number From Exhibit B
-  Participating Area For The Dakota Formation
-  The Fifth Revision

Mobil Producing
Texas & New Mexico Inc.
 Houston, Texas
LINDRITH UNIT
 Dakota Formation Participating Area
 Lindrith Unit Agreement
 Exhibit - A
 Rio Arriba, New Mexico

EXHIBIT "B"
 Fifth Revision Dakota Formation
 Participating Area
 Lindrith Unit Agreement
 Rio Arriba County, New Mexico

Tract No.	Lease No. or Type of Land	Description	Participating Acres	Percentage of Participation	Working Interest Owner and Percent of Interest	
6	SF-078912	T24N-R3M, NMPM Sec. 10: SW/4	160.00	4.7619	Mobil Producing Texas & New Mexico Inc. Tenneco Oil Company Conoco, Inc.	75.0000 12.5000 12.5000
7	SF-078913	T24N-R3M, NMPM Sec. 15: W/2 Sec. 16: A11 Sec. 21: A11 Sec. 22: NW/4	1,760.00	52.3810	Mobil Producing Texas & New Mexico Inc. Tenneco Oil Company Conoco, Inc. Petro-Lewis Corporation	75.0000 12.5000 9.2500 3.2500
8	SF-078914	T24N-R3M, NMPM Sec. 27: W/2 Sec. 28: SW/4, N/2	800.00	23.8095	Mobil Producing Texas & New Mexico Inc. Tenneco Oil Company Conoco, Inc. Petro-Lewis Corporation	75.0000 12.5000 9.2500 3.2500
9	SF-078915	T24N-R3M, NMPM Sec. 34: W/2	320.00	9.5238	Meridian Oil Tenneco Oil Company Conoco, Inc. Petro-Lewis Corporation	75.0000 12.5000 9.2500 3.2500
16	Patented	T24N-R3M, NMPM Sec. 9: W/2	320.00	9.5238	Mobil Producing Texas & New Mexico Inc. Tenneco Oil Company Conoco, Inc. Petro-Lewis Corporation	75.0000 12.5000 9.2500 3.2500
			<u>3,360.00</u>	<u>100.0000</u>		
Total Federal Lands			3,040.00			
Total State Lands			0.00			
Total Patented Lands			<u>320.00</u>			
			<u>3,360.00</u>			

GEOLOGIC AND ENGINEERING REPORT
 PROPOSED FIFTH REVISION TO THE PARTICIPATING AREA
 DAKOTA FORMATION
 LINDRITH UNIT AGREEMENT
 RIO ARRIBA COUNTY, NEW MEXICO

Geologic Report

The objective of the Lindrith Unit Well No. B-27 was to complete in the oil bearing sands of the Upper Cretaceous age Dakota Formation. The Dakota Formation is a marine-sequence of stacked sandstone bars encased in shale. The sand bars are linear and trend northwest-southeast through the unit. The sandstones are composed of fine to very fine grain sands, moderately well to well sorted. The sands are cemented with varying amounts of silica, various clays, calcite and dolomite. The sands are low porosity and low permeability.

Engineering Report

Well Data:

Completion Date:			02/06/85
Initial Potential:	Oil	BOPD	137
	Gas	MCFD	307
Current Production Rate (6/85)	Oil	BOPD	SI†
	Gas	MCFD	SI†
Cumulative Production (6/85)	Oil	MBO	0.2
	Gas	MMCF	-

Economic Evaluations:

Investment:	M\$	592
Operating Cost:	M\$/Year	20
Royalty Interest:	%	14.5
Reserves: Oil	MBO	50
Gas	MMCF	270
Annual Rate of Return:	%	52
Present Value @ 15%	M\$	219
Cumulative Cashflow*:	M\$	802

†Well has been shut-in since it was potentialied.

*Excludes State and Federal Income Tax



TONEY ANAYA
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

September 10, 1985

50 YEARS



1935 - 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Mobil Producing Texas
and New Mexico Inc.
P. O. Box 633
Midland, Texas 79702

Attention: J. B. Huckabay

Re: Application for Approval of the
Fourth Revision of the Participating
Area for the Dakota Formation
~~Lindrith Unit Area~~
Rio Arriba County, New Mexico

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,


ROY E. JOHNSON,
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque
OCD District Office - Aztec

Mobil Producing Texas & New Mexico Inc.

August 26, 1985

P.O. BOX 633
MIDLAND, TEXAS 79702

Bureau of Land Management
Albuquerque District Office
505 Marquette, N.W.
P. O. Box 6770
Albuquerque, New Mexico 87197-6770

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

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

APPLICATION FOR APPROVAL OF THE
FOURTH REVISION OF THE PARTICIPATING
AREA FOR THE DAKOTA FORMATION
LINDRITH UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc. (Mobil), as Sub-Operator for the Lindrith Unit Agreement, pursuant to the provisions of Section 10 thereof, respectfully submits for your approval the selection of the following described lands to constitute the fourth revision to the participating area for the Dakota producing formation, to-wit:

T-24-N, R-3-W, N.M.P.M.
Section 9: NW/4

containing 160.00 acres, more or less.

In support of this application, the following items are attached hereto and made a part hereof:

- (1) Exhibit A showing thereon the boundaries of the unit area, the participating area as heretofore established, and the proposed revision herein;

Mobil

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
August 26, 1985
Page 2

- (2) Exhibit B showing the lands entitled to participation in the unitized substances produced from the Dakota formation, with the percentage of participation of each tract indicated thereon.

Mobil is submitting separately in triplicate, a geologic and engineering report supporting and justifying the proposed selection of the fourth revision of the participating area.

This proposed fourth revision of the participating area is predicated upon the knowledge and information first obtained upon completion in paying quantities under the terms of the unit agreement on October 31, 1984 of unit well No. B-26, in NW/4 Section 9, T-24-N, R-3-W, N.M.P.M., with an initial potential of 178 BOPD and 308 MCFGPD, from the Dakota formation at a gross interval depth of 7390' to 7600'. The effective date of this fourth revision shall be November 1, 1984, pursuant to Section 10 of the unit agreement.

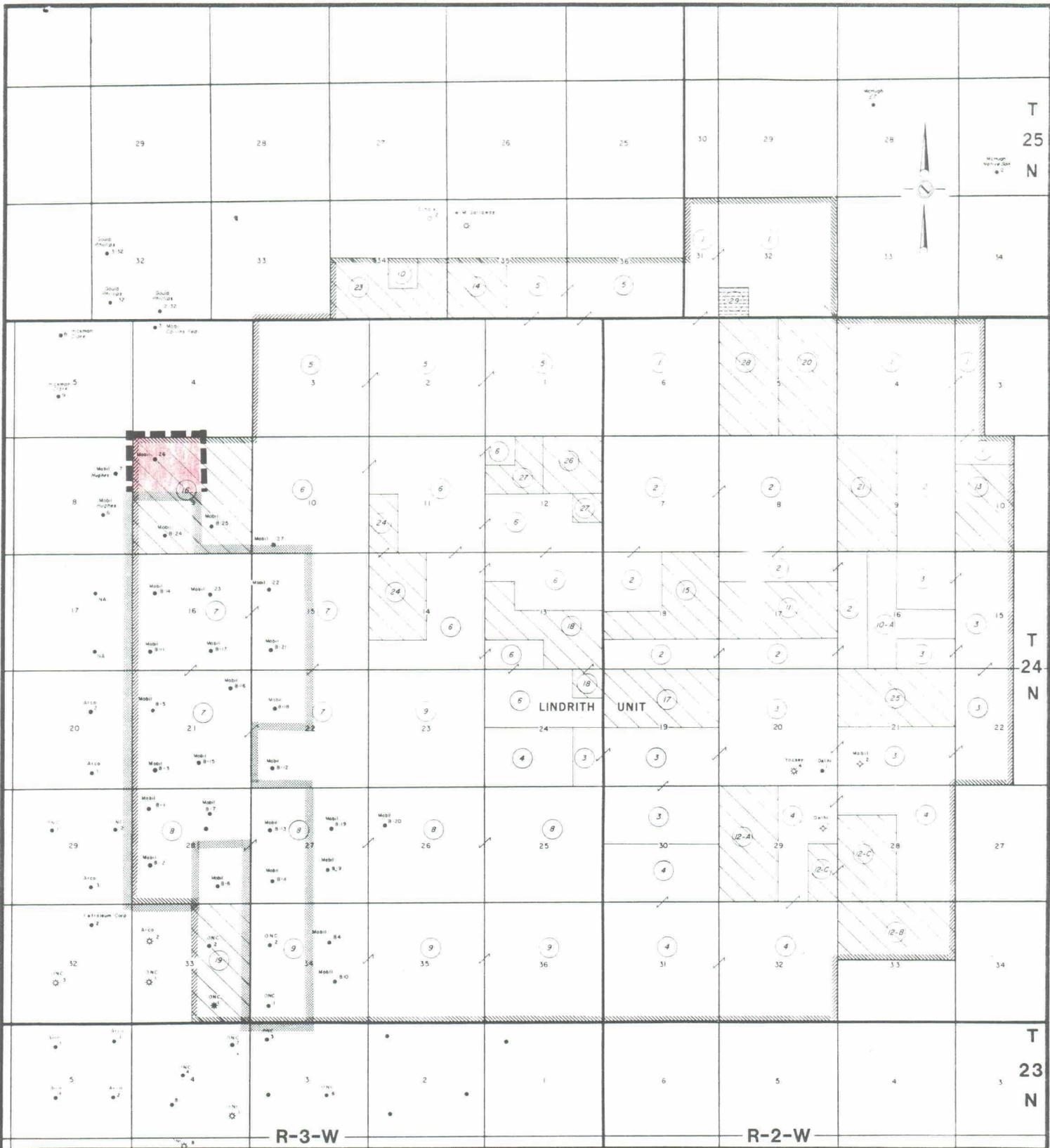
Consequently, Mobil respectfully requests your approval of the hereinabove selection of lands to constitute the fourth revision of the participating area to be effective November 1, 1984.

Respectfully submitted,

MOBIL PRODUCING TEXAS & NEW MEXICO INC.


J. B. Huckabay
Attorney-in-Fact *MCS*

TWR TMP/ka
7/31.6
Attachments



-  Federal Land
-  State Land
-  Fee Land
-  Unit Area Boundary
-  Tract Number From Exhibit B
-  Participating Area For The Dakota Formation
-  The Fourth Revision

Mobil Producing
Texas & New Mexico Inc.
 Houston, Texas
LINDRITH UNIT
Dakota Formation Participating Area
Lindrith Unit Agreement
Exhibit - A
 Rio Arriba, New Mexico

EXHIBIT "B"
 Fourth Revision Dakota Formation
 Participating Area
 Lindrith Unit Agreement
 Rio Arriba County, New Mexico

Tract No.	Lease No. or Type of Land	Description	Participating Acres	Percentage of Participation	Working Interest Owner and Percent of Interest	
7	SF-078913	T24N-R3W, NMPM Sec. 15: W/2 Sec. 16: A11 Sec. 21: A11 Sec. 22: NW/4	1,760.00	55.0000	Mobil Producing Texas & New Mexico Inc. Tenneco Oil Company Conoco, Inc. Petro-Lewis Corporation	75,0000 12,5000 9,2500 3,2500
8	SF-078914	T24N-R3W, NMPM Sec. 27: W/2 Sec. 28: SW/4, N/2	800.00	25.0000	Mobil Producing Texas & New Mexico Inc. Tenneco Oil Company Conoco, Inc. Petro-Lewis Corporation	75,0000 12,5000 9,2500 3,2500
9	SF-078915	T24N-R3W, NMPM Sec. 34: W/2	320.00	10.0000	Meridian Oil Tenneco Oil Company Conoco, Inc. Petro-Lewis Corporation	75,0000 12,5000 9,2500 3,2500
16	Patented	T24N-R3W, NMPM Sec. 9: W/2	320.00	10.0000	Mobil Producing Texas & New Mexico Inc. Tenneco Oil Company Conoco, Inc. Petro-Lewis Corporation	75,0000 12,5000 9,2500 3,2500
		Total Federal Lands	<u>3,200.00</u>	<u>100.0000</u>		
		Total State Lands	2,880.00	0.00		
		Total Patented Lands	<u>320.00</u>			
			<u>3,200.00</u>			

GEOLOGIC AND ENGINEERING REPORT
 PROPOSED FOURTH REVISION TO THE PARTICIPATING AREA
 DAKOTA FORMATION
 LINDRITH UNIT AGREEMENT
 RIO ARRIBA COUNTY, NEW MEXICO

Geologic Report

The objective of the Lindrith Unit Well No. B-26 was to complete in the oil bearing sands of the Upper Cretaceous age Dakota Formation. The Dakota Formation is a marine-sequence of stacked sandstone bars encased in shale. The sand bars are linear and trend northwest-southeast through the unit. The sandstones are composed of fine to very fine grain sands, moderately well to well sorted. The sands are cemented with varying amounts of silica, various clays, calcite and dolomite. The sands are low porosity and low permeability.

Engineering Report

Well Data:

Completion Date:			10/31/84
Initial Potential:	Oil	BOPD	178
	Gas	MCFD	308
Current Production Rate (6/85):	Oil	BOPD	143
	Gas†	MCFD	18
Cumulative Production (6/85):	Oil	MBO	5.1
	Gas†	MMCF	1.5

Economic Evaluations:

Investment:	M\$	609
Operating Cost:	M\$/Year	20
Royalty Interest:	%	14.5
Reserves: Oil	MBO	65
Gas	MMCF	353
Annual Rate of Return:	%	59
Present Value @ 15%:	M\$	344
Cumulative Cashflow*:	M\$	1,226

†Gas volumes are approximate.

*Excludes State and Federal Income Tax



TONY ANAYA
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

August 14, 1985

50 YEARS



1935 - 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Mobil Producing Texas &
New Mexico Inc.
P. O. Box 633
Midland, Texas 79702

Attention: J. B. Huckabay

Re: NM-1B
~~Lindrith Unit Area~~
Unit well #B-25 Non-Commercial Determination
Rio Arriba County, New Mexico

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. According to Article 10 of the Lindrith Unit Agreement, like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management is not necessary due to the fact that this well is on fee minerals.

Sincerely,

ROY E. JOHNSON,
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque
OCD District Office - Aztec



TONEY ANAYA
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

August 6, 1985

50 YEARS



1935 - 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Mobil Producing Texas
& New Mexico Inc.
P. O. Box 633
Midland, Texas 79702

Attention: J. B. Huckabay

Re: NM-1B
Lindrith Unit Area
Unit Well #B-25 → *NON-Commercial Determination*
Rio Arriba County, New Mexico

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. ~~Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.~~ *is not necessary due to the fact that this well is on Fee Minerals.*

Sincerely,

ROY E. JOHNSON,
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque
OCD District Office - Aztec

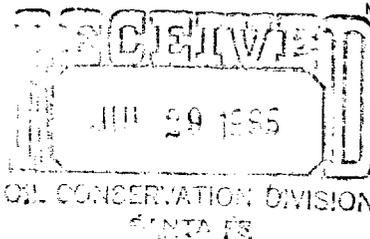
According to Article 10 of the Lindrith Unit Agreement like approval by the

Mobil Producing Texas & New Mexico Inc.

*Oil Conservation
Unit Agreement
letter #1*

July 22, 1985

P.O. BOX 633
MIDLAND, TEXAS 79702



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

NM-1B
LINDRITH UNIT AREA
UNIT WELL #B-25
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc., as Sub-Operator for the Lindrith Unit Agreement, in accordance with the provisions of Section 10 thereof, respectfully requests your concurrence to our determination that the captioned well is not capable of production in paying quantities and inclusion of the land on which it is situated in the Dakota participating area is unwarranted.

Attached for your reference is the engineering data supporting our determination.

If we may be of any further assistance in this regard, do not hesitate to contact Mr. Tom Parker at the letterhead address or collect at (915) 688-2106.

Very truly yours,

MOBIL PRODUCING TEXAS & NEW MEXICO INC.


J. B. Huckabay
Attorney-in-Fact

MCS *2nd*
TMP/ka
7/22.3
Attachment

Mobil Producing Texas and New Mexico Inc.
 West Lindrith (Gallup-Dakota) Field
 Lindrith "B" Unit Well No. 25

Well Data

Completion Date			11/29/83
Initial Potential:	Oil	BOPD	48
	Gas	MCFD	200
Current Production Rate (2/85):	Oil	BOPD	8
	Gas	MCFD	41
Cumulative Production (2/85):	Oil	MBO	2.4
	Gas	MMCF	18.5

Economic Evaluation

Investment	M\$	524
Operating Cost	M\$/year	20
Royalty Interest	%	14.5
Reserves: Oil	MBO	7.9
Gas	MMCF	43
Annual Rate of Return	%	0
Present Value @ 15%	M\$	-163
Cumulative Cashflow*	M\$	-255

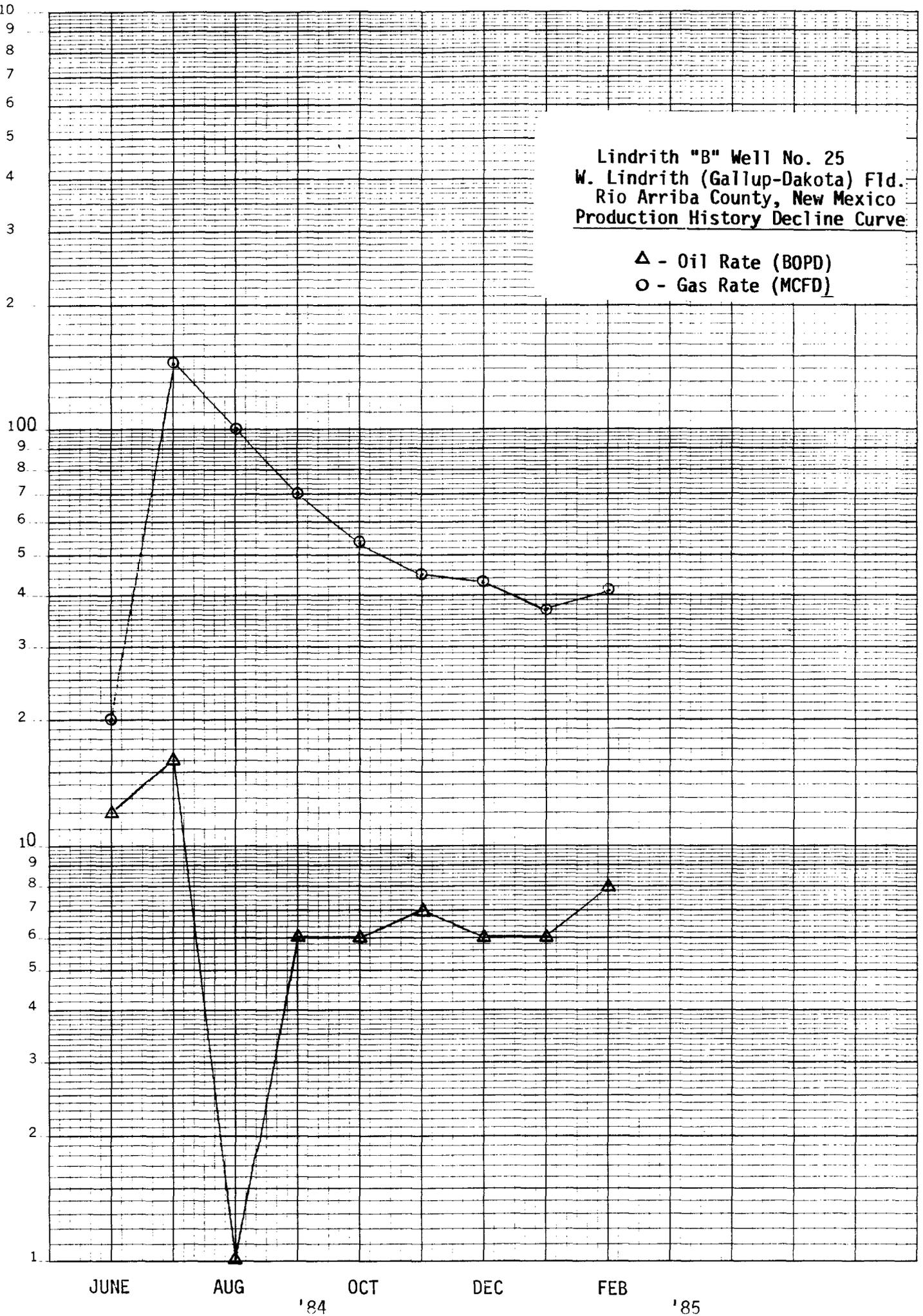
*Excludes State and Federal Income Tax

46 5730

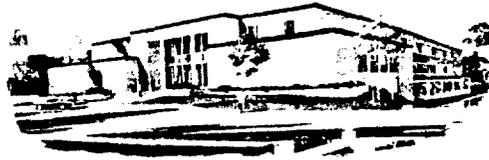
K&S SEMI-LOGARITHMIC 3 CYCLES x 84 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

Lindrith "B" Well No. 25
W. Lindrith (Gallup-Dakota) Fld.
Rio Arriba County, New Mexico
Production History Decline Curve

Δ - Oil Rate (BOPD)
○ - Gas Rate (MCFD)



State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

June 12, 1985

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Uses
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Mobil Producing Texas & New Mexico Inc.
P. O. Box 633
Midland, Texas 79702

Re: Application for approval of the
Third Revision of the Participating
Area for the Dakota Formation
Lindrith Unit Area

~~Rio Arriba County, New Mexico~~

ATTENTION: Mr. J. B. Huckabay

Gentlemen:

The Commissioner of Public Lands has this date approved your Application dated April 23, 1985 for approval of the Third Revision to the Dakota Participating Area for the Lindrith Unit Agreement, Rio Arriba County, New Mexico.

The Third Revision to the Dakota Participating Area adds 160.00 acres described as the SW/4 of Section 9, Township 24 North, Range 3 West, bringing the total acreage in the Dakota Participating Area to 3,040.00 acres. The Third Revision is predicated upon the knowledge and information first obtained upon completion in paying quantities under the terms of the unit agreement on October 6, 1983 of the Unit Well No. B-24. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

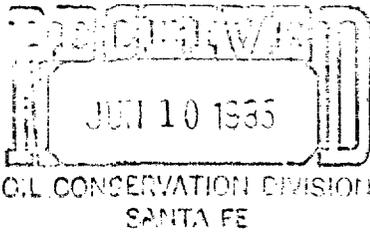
Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez



Bureau of Land Management
Albuquerque District Office
Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770

Lindrith Unit
3100 (015)

JUN 06 1985

Mobil Producing Texas and New Mexico, Inc.
Attention: Mr. J.B. Huckabay
P.O. Box 633
Midland, TX 79702

Gentlemen:

Your application of April 23, 1985, requesting approval of the third revision to the Dakota Participating Area for the Lindrith Unit Agreement, Rio Arriba County, New Mexico, No. ISEC-713 was approved on this date and is effective as of November 1, 1983.

This application proposes to add 160.00 acres described as the SW $\frac{1}{4}$ section 9, T. 24 N., R. 3 W., NMPM, bringing the total acreage in the participating area to 3,040.00 acres. The third revision to the participating area is based on the completion of unit well No. 24.

Copies of the approved application are being distributed to the appropriate Federal offices and an approved copy is being returned for your files. You are requested to furnish all interested parties with appropriate evidence of this approval.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 766-2841.

Sincerely,

[Orig. Signed] = Sid Vogelbohn

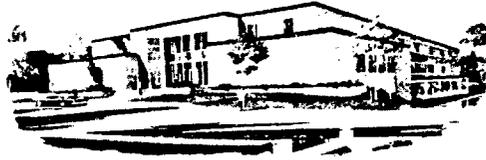
For District Manager

Enclosure

cc:
NMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943B-1
Fluids Section FRAH
Unit File: Dakota PA
O&G Chron

015:RKent:tt:5/29/85:0745M

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

June 5, 1985

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Uses:
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Mobil Producing Texas & New Mexico Inc.
P. O. Box 633
Midland, Texas 79702

Re: Supplemental 1985 Plan of Development
and Operation for Lindrith Unit Area
Rio Arriba County, New Mexico

ATTENTION: Mr. J. B. Huckabay

Gentlemen:

The Commissioner of Public Lands has this date approved your Supplemental 1985 Plan of Development and Operation for the Lindrith Unit Area, Rio Arriba County, New Mexico. MPTM, Sub-Operator for the above captioned unit proposes to add 2 Development wells to test the Gallup Formation and 12 Infill Wells to test the Dakota Formation. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

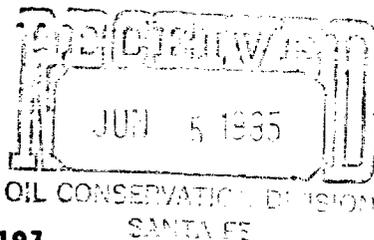
Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez
EPNGCO Attn: Mr. Alan Alexander



May 31, 1985

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

159

Re: Lindrith Unit I, Section No. 713
Rio Arriba County, New Mexico,
First Amendment to
1985 Drilling Program

Gentlemen:

By letter dated January 29, 1985, El Paso Natural Gas Company, as Unit Operator of the Lindrith Unit filed a Drilling Program covering the captioned Unit for the calendar year 1985, which has been approved. Mobile Oil Corporation, sub-operator of the Lindrith "B" Unit, requests that the 1985 Drilling Program be amended to provide for the drilling of the following wells.

<u>WELL NO.</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
B #37	NE/4 Section 4, T24N, R2W	Gallup
B #38	SW/4 Section 4, T24N, R2W	Gallup
B #28	NE/4 NW/4 Section 16, T24N, R3W	Dakota
B #29	NE/4 SW/4 Section 16, T24N, R3W	Dakota
B #30	NE/4 SE/4 Section 16, T24N, R3W	Dakota
B #31	NE/4 NW/4 Section 21, T24N, R3W	Dakota
B #32	SW/4 NE/4 Section 21, T24N, R3W	Dakota
B #33	NE/4 SE/4 Section 21, T24N, R3W	Dakota
B #40	NE/4 NW/4 Section 15, T24N, R3W	Dakota
B #41	NE/4 NE/4 Section 16, T24N, R3W	Dakota
B #42	NE/4 SW/4 Section 15, T24N, R3W	Dakota
B #44	NE/4 SW/4 Section 21, T24N, R3W	Dakota
B #45	NE/4 NW/4 Section 28, T24N, R3W	Dakota
B #46	NE/4 NE/4 Section 28, T24N, R3W	Dakota

May 31, 1985

All working interest owners have been contacted and this Drilling Program meets their approval. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Yours very truly,


Alan Alexander
District Land Manager *vet*

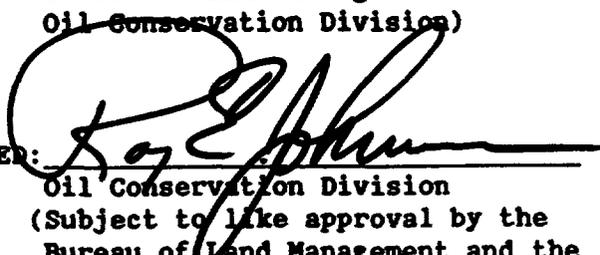
AA:VLG/tlm
Attachments
Lindrith Unit, 3.0
Doc. #0117L

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 6-5-85

The foregoing approvals for the First Amendment to the 1985 Drilling Program for the Lindrith Unit, Section No. 713, Rio Arriba County, New Mexico, .

**LINDRITH UNIT
WORKING INTEREST OWNERS**

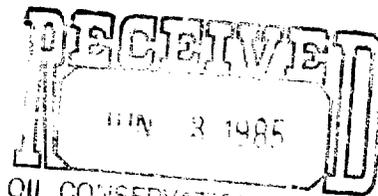
Mobil Oil Corporation

Tenneco Oil Company

Conoco, Inc.

Petro-Lewis Corporation

Dot



Mobil Producing Texas & New Mexico Inc.

*We are in receipt of
unit letter*

May 30, 1985

P.O. BOX 633
MIDLAND, TEXAS 79703

El Paso Exploration Company
Attention: Mr. Alan Alexander
P. O. Box 4289
Farmington, New Mexico 87499-4289

SUPPLEMENTAL 1985 PLAN OF
DEVELOPMENT AND OPERATION
LINDRITH UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc. (MPTM), successor to Mobil Oil Corporation as Sub-Operator for the Lindrith Unit Agreement, requests that El Paso Exploration Company supplement the 1985 Plan of Development and Operation for the captioned unit with the Bureau of Land Management, the New Mexico Commissioner of Public Lands and the New Mexico Oil Conservation Division with the addition of the following wells:

Development Wells

<u>Well No.</u>	<u>Location</u>	<u>Objective Formation</u>
B #37	NE/4 4-T24N-R2W	Gallup
B #38	SW/4 4-T24N-R2W	Gallup

Infill Wells

<u>Well No.</u>	<u>Location</u>	<u>Objective Formation</u>
B #28	NE/4 NW/4 16-T24N-R3W	Dakota
B #29	NE/4 SW/4 16-T24N-R3W	Dakota
B #30	NE/4 SE/4 16-T24N-R3W	Dakota
B #31	NE/4 NW/4 21-T24N-R3W	Dakota
B #32	SW/4 NE/4 21-T24N-R3W	Dakota
B #33	NE/4 SE/4 21-T24N-R3W	Dakota
B #40	NE/4 NW/4 15-T24N-R3W	Dakota
B #41	NE/4 NE/4 16-T24N-R3W	Dakota
B #42	NE/4 SW/4 15-T24N-R3W	Dakota
B #44	NE/4 SW/4 21-T24N-R3W	Dakota
B #45	NE/4 NW/4 28-T24N-R3W	Dakota
B #46	NE/4 NE/4 28-T24N-R3W	Dakota

Mobil

El Paso Exploration Company
May 30, 1985
Page 2

MPTM plans to spud the B #28, B #33 and B #42 wells on or before June 15, 1985 and, therefore, your usual expeditious handling of this matter is greatly appreciated.

If I may be of any further assistance in this regard, do not hesitate to contact me.

Very truly yours,

MOBIL PRODUCING TEXAS & NEW MEXICO INC.


J. B. Huckabay
Land Manager

TMP/ka
5/30.14

bcc: United States Department of Interior
Bureau of Land Management
Albuquerque District Office
505 Marquette, N.W.
P. O. Box 6770
Albuquerque, New Mexico 87197-6770

FEDERAL EXPRESS

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

EXPRESS MAIL

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

EXPRESS MAIL

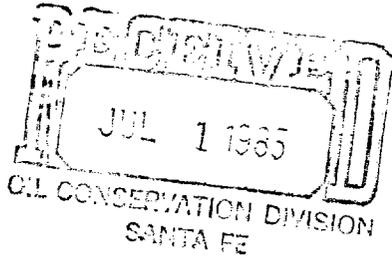


George Smith
Hap Weaver

Bureau of Land Management
Albuquerque District Office
Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770

Lindrith Unit
3100 (015)

JUN 28 1985



#159

El Paso Exploration Company
Attention: Alan Alexander
P.O. Box 4289
Farmington, NM 87499-4289

Gentlemen:

Two approved copies of your Amended 1985 Plan of Development for the Lindrith Unit area, Rio Arriba County, are enclosed. Such plan, proposing to drill two additional Gallup wells and 12 additional Dakota wells, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 766-2841.

Sincerely,

(Orig. Signed) - Sid Vogelwohl

For District Manager

Enclosure(s)

cc:
NMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943B-1
Fluids Section FRAH
File: Lindrith Unit POD
O&G Chron

015:RKent:tt:6/26/85:0851M



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

#159

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

May 13, 1985

Mobil Producing Texas &
New Mexico Inc.
P.O. Box 633
Midland, Texas 79702

Attention: J. B. Huckabay

Re: Application for Approval
of the Third Revision of
the Participating Area
for the Dakota Formation
Lindrith Unit Area
Rio Arriba County, NM

Dear Mr. Huckabay:

The above referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON
Senior Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque
OCD District Office - Aztec

#159

Mobil Producing Texas & New Mexico Inc.

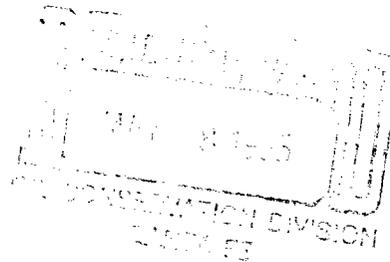
April 23, 1985

P.O. BOX 633
MIDLAND, TEXAS 79702

Bureau of Land Management
Albuquerque District Office
505 Marquette, N. W.
P. O. Box 6770
Albuquerque, New Mexico 87197-6770

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

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



APPLICATION FOR APPROVAL OF THE
THIRD REVISION OF THE PARTICIPATING
AREA FOR THE DAKOTA FORMATION
LINDRITH UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc. (MPTM), as Sub-Operator for the Lindrith Unit Agreement, pursuant to the provisions of Section 10 thereof, respectfully submits for your approval the selection of the following described lands to constitute the third revision to the participating area for the Dakota producing formation, to-wit:

T. 24 N., R. 3 W., N.M.P.M.
Section 9: SW/4

160.00 acres, more or less

In support of this application, the following items are attached hereto and made a part hereof:

- (1) Exhibit A showing thereon the boundaries of the unit area, the participating area as heretofore established, and the proposed revision herein.
- (2) Exhibit B showing the lands entitled to participation in the unitized substances produced from the Dakota formation, with the percentage of participation of each tract indicated thereon.

Mobil

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division

- 2 -

April 23, 1985

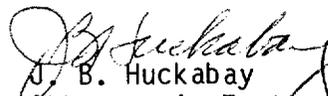
MPTM is submitting separately in triplicate, a geologic and engineering report supporting and justifying the proposed selection of the third revision of the participating area.

This proposed third revision of the participating area is predicated upon the knowledge and information first obtained upon completion in paying quantities under the terms of the unit agreement on October 6, 1983 of unit well No. B-24, in SW/4, Section 9, T. 24 N., R. 3 W., N.M.P.M., with an initial production of 155 BOPD, from the Dakota formation at a gross interval depth of 7284' to 7506'. The effective date of this third revision shall be November 1, 1983, pursuant to Section 10 of the unit agreement.

Consequently, MPTM respectfully requests your approval of the hereinabove selection of lands to constitute the third revision of the participating area to be effective November 1, 1983.

Respectfully submitted,

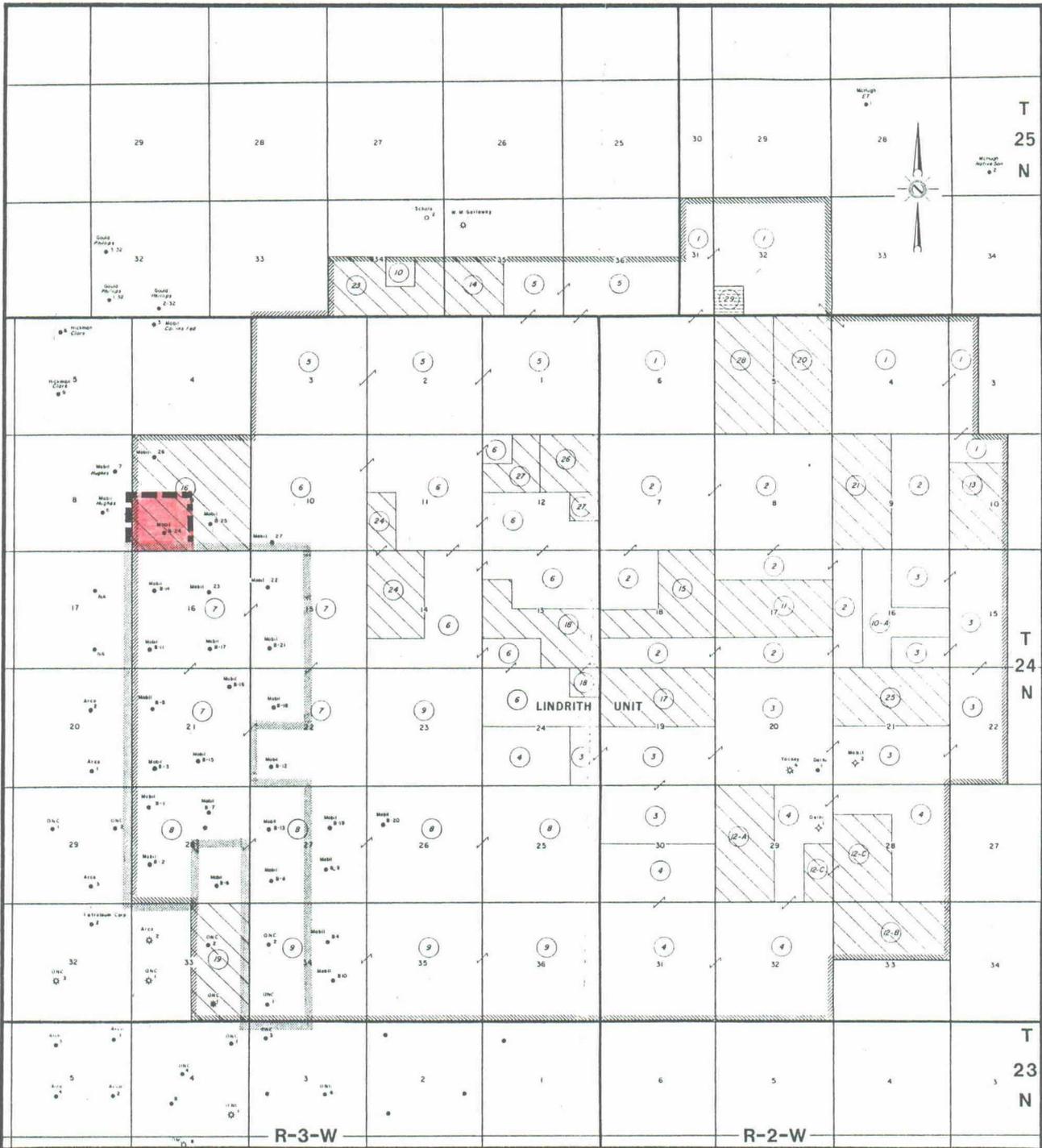
MOBIL PRODUCING TEXAS & NEW MEXICO INC.


J. B. Huckabay
Attorney-in-Fact

JBH:sqw

Attachment

4/18.8



 Federal Land

 State Land

 Fee Land

 Unit Area Boundary

 Tract Number From Exhibit B

 Participating Area For The Dakota Formation

 The Third Revision

Mobil Producing
Texas & New Mexico Inc.
Houston, Texas
LINDRITH UNIT
Dakota Formation Participating Area
Lindrith Unit Agreement
Exhibit - A
Rio Arriba, New Mexico

EXHIBIT "B"
 Third Revision Dakota Formation
 Participating Area
 Lindrieth Unit Agreement
 Rio Arriba County, New Mexico

Fract No.	Lease No. or Type of Land	Description	Participating Acres	Percent of Participation	Working Interest Owner and Percent of Interest	
7	SF-078913	T24N-R3W, NMPM Sec. 15: W/2 Sec. 16: A11 Sec. 21: A11 Sec. 22: NW/4	1,760.00	57.8947	Mobil Producing Texas & New Mexico Inc. Conoco, Inc. Tenneco Oil Company	75.0000 12.5000 12.5000
8	SF-078914	T24N-R3W, NMPM Sec. 27: W/2 Sec. 28: SW/4, N/2	800.00	26.3158	Mobil Producing Texas & New Mexico Inc. Conoco, Inc. Tenneco Oil Company	75.0000 12.5000 12.5000
9	SF-078915	T24N-R3W, NMPM Sec. 34: W/2	320.00	10.5263	Odessa Natural Corporation Conoco, Inc. Tenneco Oil Company	75.0000 12.5000 12.5000
16	Patented	T24N-R3W, NMPM Sec. 9: SW/4	160.00	5.2632	Mobil Producing Texas & New Mexico Inc. Conoco, Inc. Tenneco Oil Company	75.0000 12.5000 12.5000
			<u>3,040.00</u>	<u>100.0000</u>		
		Total Federal Lands	2,880.00			
		Total State Lands	0.00			
		Total Patented Lands	160.00			
			<u>3,040.00</u>			

GEOLOGIC AND ENGINEERING REPORT
 PROPOSED THIRD REVISION TO THE PARTICIPATING AREA
 DAKOTA FORMATION
 LINDRITH UNIT AGREEMENT
 RIO ARRIBA COUNTY, NEW MEXICO

Geologic Report

The objective of the Lindrith Unit Well No. B-24 was to complete in the oil bearing sands of the Upper Cretaceous age Dakota Formation. The Dakota Formation is a marine-sequence of stacked sandstone bars encased in shale. The sand bars are linear and trend northwest-southeast through the unit. The sandstones are composed of fine to very fine grain sands, moderately well to well sorted. The sands are cemented with varying amounts of silica, various clays, calcite and dolomite. The sands are low porosity and low permeability.

Engineering Report

Well Data:

Completion Date:			10/6/83
Initial Potential:	Oil	BOPD	155
	Gas	MCFD	350
Current Production Rate (2/85):	Oil	BOPD	23
	Gas	MCFD	92
Cumulative Production (2/85):	Oil	MBO	11.9
	Gas	MMCF	31.2

Economic Evaluation:

Investment:		M\$	572
Operating Cost:		M\$/year	20
Royalty Interest:		%	14.5
Reserves: Oil		MBO	34
Gas		MMCF	184
Annual Rate of Return:		%	19
Present Value @ 15%:		M\$	31
Cumulative Cashflow*:		M\$	376

*Excludes State and Federal Income Tax

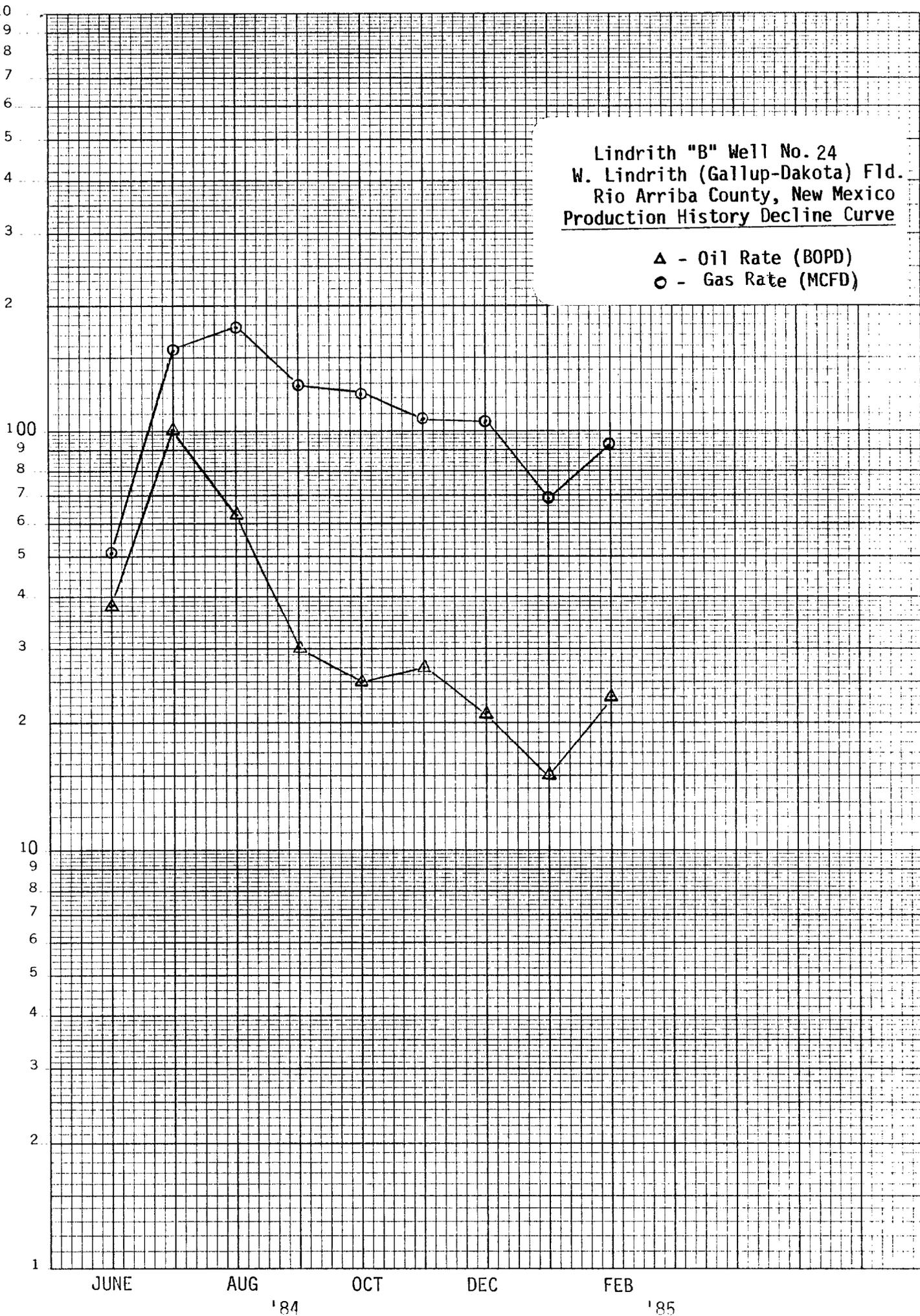
4/22.4

46 5730

K-E SEMI-LOGARITHMIC 3 CYCLES X 84 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

Lindrith "B" Well No. 24
W. Lindrith (Gallup-Dakota) Fld.
Rio Arriba County, New Mexico
Production History Decline Curve

△ - Oil Rate (BOPD)
○ - Gas Rate (MCFD)



'84

'85

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

March 27, 1985

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Unit
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Mobil Producing Texas and New Mexico Inc.
Nine Greenway Plaza, Suite 2700
Houston, Texas 77046

Re: Application for approval of the
Second Revision of the Participating
Area for the Dakota Formation
→ Lindrith Unit Area
Rio Arriba County, New Mexico

ATTENTION: Mr. F. C. Luce

Gentlemen:

The Commissioner of Public Lands has this date approved your Application dated January 22, 1985 for approval of the Second Revision to the Dakota Participating Area for the Lindrith Unit Agreement Rio Arriba County, New Mexico.

The Second Revision to the Dakota Participating Area adds 320.00 acres described as the NW/4 of Section 15 and the NE/4 of Section 16, Township 24 North, Range 3 West, bringing the total acreage in the Participating Area to 2,880.00 acres. The Second Revision is predicated upon the completion of the unit Well Nos. 22 and 23 and is effective as of November 1, 1982. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

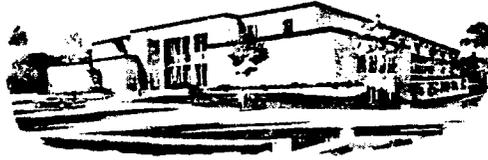
BY: *Ray D. Graham*
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

State of New Mexico

#159



JIM BACA
COMMISSIONER

Commissioner of Public Lands

April 8, 1985

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Used
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

El Paso Exploration Company
P. O. Box 4289
Farmington, New Mexico 87499-4289

Re: Lindrith Unit
1985 Drilling Program
Rio Arriba County, New Mexico

ATTENTION: Mr. Alan Alexander

Gentlemen:

The Commissioner of Public Lands has this date approved your 1985 Drilling Program for the Lindrith Unit area, Rio Arriba County, New Mexico. Such plan calls for the drilling of the Well Nos. 34, 35, 36, 69R, 114, 115 and 116. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez



United States Department of the Interior

IN REPLY REFER TO:

Lindrith Unit
(POD) (015)

BUREAU OF LAND MANAGEMENT ALBUQUERQUE DISTRICT OFFICE

505 Marquette, N.W.
P.O. Box 6770
Albuquerque, New Mexico 87197-6770

#159

MAR 13 1985

El Paso Natural Gas Company
Attention: Alan Alexander
P.O. Box 4289
Farmington, New Mexico 87499-4289

Gentlemen:

An approved copy of your 1985 Plan of Development for the Lindrith Unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing drilling wells No. 69R, 114, 115, 116, B-34, B-35, and B-36, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) DENNIS B. UMSHLER

For District Manager

Enclosure

cc:
UNMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943B-4
Fluids Section FRAH
File: Lindrith Unit POD
O&G Chron

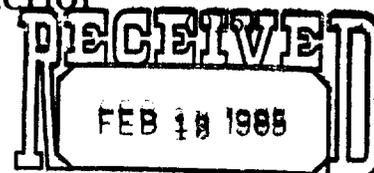
015:RBartel:tt:3/7/85:0516M



United States Department of the Interior Lindrith Unit

BUREAU OF LAND MANAGEMENT
ALBUQUERQUE DISTRICT OFFICE

505 Marquette, N.W.
P.O. Box 6770
Albuquerque, New Mexico 87197-6770



OIL CONSERVATION DIVISION
SANTA FE

FEB 11 1985

#159

Mobil Producing Texas and New Mexico Inc.
Attention: F.C. Luce
Nine Greenway Plaza, Suite 2700
Houston, Texas 77046

Gentlemen:

Your application of January 22, 1985, requesting approval of the Second Revision to the Dakota Participating Area for the Lindrith Unit Agreement, Rio Arriba County, New Mexico, No. ISEC-713 was approved on this date and is effective as of November 1, 1982.

This application proposes to add 320.00 acres described as the NW $\frac{1}{4}$ section 15 and NE $\frac{1}{4}$ section 16 both in T. 24 N., R. 3 W., NMPM, bringing the total acreage in the participating area to 2,880.00 acres. The Second Revision to the Participating Area is based on the completion of unit wells 22 and 23.

Copies of the approved application are being distributed to the appropriate Federal offices and an approved copy is being returned for your files. You are requested to furnish all interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) GARY A. STEPHENS

For District Manager

Enclosure

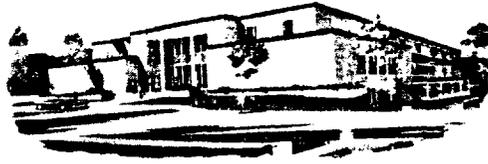
cc:
Comm. of Public Lands
NMOCD
Micrographics 943B-4 (w/enc.)
Fluids Section FRAH (w/enc.)
Unit File: Dakota PA
O&G Chron

015:RKent:tt:2/6/85:0445M

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

February 7, 1985

Mobil Producing Texas and New Mexico, Inc.
Nine Greenway Plaza, Suite 2700
Houston, Texas 77046

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Used
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Re: Application for approval of Initial
Participating Area for the Dakota
Formation
Lindrith Unit Area
Rio Arriba County, New Mexico

ATTENTION: Mr. F. C. Luce

Gentlemen

The Commissioner of Public Lands has this date approved your application for approval of the Initial Participating Area for the Dakota Formation, Lindrith Unit Area, Rio Arriba County, New Mexico dated December 31, 1984. The Initial Participating Area is effective as of January 5, 1979.

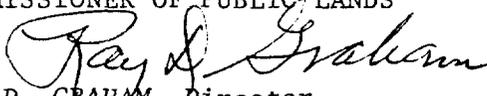
The Initial Participating area is described as the W/2 of Section 21, SW/4 Section 27, SW/4,N/2 Section 28, W/2 Section 34, all in Township 24 North, Range 3 West, containing 1,20.00 acres. The Initial Participating Area is based on the completion of Unit Wells 1,2,3,5,7,8, 34-1 and 34-2.

Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is a copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: 
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

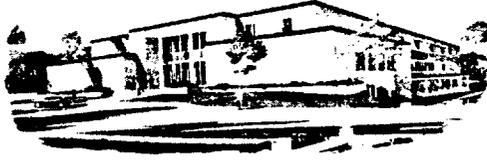
JB/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands
February 7, 1985

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Uses:
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Mobil Producing Texas and New Mexico Inc.
Nine Greenway Plaza, Suite 2700
Houston, Texas 77046

Re: Application for Approval of the First
Revision of the Participating Area for
The Dakota Formation Lindrith Unit area
Rio Arriba County, New Mexico

ATTENTION: Mr. F. C. Luce

Gentlemen:

The Commissioner of Public Lands has this date approved your application for approval of the First Revision of the Participating Area for the Dakota Formation, Lindrith Unit Area, Rio Arriba County, New Mexico dated January 2, 1985. The First Revision is effective as of February 1, 1981.

The First Revision of the above captioned First Revision adds 1,280.00 acres described as the SW/4 Section 15, NW/4,S/2 Section 16, E/2 Section 21, NW/4 Section 22 and the NW/4 Section 27 all in Township 24 North, Range 3 West. The total acreage in the Participating Area is now 2,560.00 Acres. The First Revision to the Participating Area is based upon the completion of Unit Well Nos. 11, 13-18, and 21. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is a copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDG/pm
encls.
cc:

OCD-Santa Fe, New Mexico
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez
BLM-Albuquerque, New Mexico Attn: Fluids Branch



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

January 31, 1985

Mobil Producing Texas &
New Mexico, Inc.
Nine Greenway Plaza
Suite 2700
Houston, Texas 77046

Attention: F. C. Luce

Re: Application for Approval
of the Second Revision
of the Participating Area
for the Dakota Formation
Lindrith Unit Area
Rio Arriba County, NM

Dear Mr. Luce:

The above referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

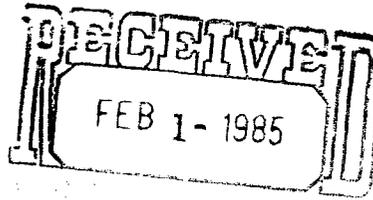
A handwritten signature in black ink, appearing to read "Roy E. Johnson", written over a large, stylized circular flourish.

ROY E. JOHNSON
Senior Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque
OCD District Office - Aztec

El Paso
Exploration Company



P O BOX 4289
FARMINGTON NEW MEXICO 87499-4289
PHONE 505-325-2841

January 29, 1985

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit I Section No. 713
Rio Arriba County, New Mexico
1985 Drilling Program

Gentlemen:

By letter dated September 19, 1984, El Paso Natural Gas Company, as Unit Operator of the Lindrith Unit, filed a Drilling Program covering the subject unit for the calendar year of 1984 providing for the drilling of four (4) Pictured Cliffs wells (#12, #108, #112, and #113). All wells were drilled outside of the Pictured Cliffs Participating Area and are currently being tested to determine whether each will be commercial thereby causing an expansion.

As of this date, the total number of wells in the Lindrith Unit is as follows:

Pictured Cliffs (Gas)	96
Pictured Cliffs (Non-commercial)	5
Pictured Cliffs, Being Evaluated	4
Dakota	1
Gallup	1
Plugged and Abandoned	<u>12</u>
Total	119

January 29, 1985

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year 1985.

<u>WELL</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
#69R	SW/4 Section 23, T24N, R3W	Pictured Cliffs
#114	SE/4 Section 7, T24N, R2W	Pictured Cliffs
#115	NW/4 Section 28, T24N, R3W	Pictured Cliffs
#116	NW/4 Section 26, T24N, R3W	Pictured Cliffs

LINDRITH "B" UNIT

By Designation of Sub-Operator, dated May 7, 1979, El Paso Natural Gas Company designated Mobil Oil Corporation as Operator of the Lindrith Unit for all formations below the base of the Pictured Cliffs formation (except as to the Dakota formation in the W/2 Section 34, T24N, R3W).

As of this date the total number of wells in the Lindrith "B" Unit is as follows:

Chacon Dakota 22

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as operator of the Lindrith Unit on behalf of and at the request of Mobil Producing Texas & New Mexico, Inc., successor to Mobil Oil Corporation as sub-operator of the Lindrith Unit, respectfully submits for your approval the 1985 Plan of Development for the Chacon Dakota Formation, designated as the Lindrith "B" Unit providing for the drilling of the following wells during calendar year 1985.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
B #35	NE/4 Section 9, T24N, R3W	Chacon Dakota
B #36	NW/4 Section 10, T24N, R3W	Chacon Dakota

January 29, 1985

In addition to the above mentioned wells, Mobil will be drilling the following Gallup well in response to the Bureau of Land Management's letter dated August 10, 1984 advising of possible drainage. If this Gallup well proves commercial it will cause the initial expansion of the Gallup participating area within the Lindrith Unit.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
B #34	NE/4 Section 32, T25N, R2W	Gallup

All working interest owners have been contacted, and this Drilling Program meets their approval. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Alan Alexander
District Land Manager

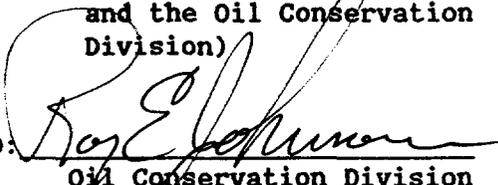
AA/VLG/gm
attachment
Lindrith Unit, 3.0

APPROVED: _____
Area Oil & Gas Supervisor
Bureau of Land Management
(Subject to like approval by
the Commissioner of Public
Lands and the Oil Conservation
Division)

DATE: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by
the Bureau of Land Management
and the Oil Conservation
Division)

DATE: _____

APPROVED: 
Oil Conservation Division
(Subject to like approval by
the Bureau of Land Management
and the Commissioner of Public
Lands)

DATE: 2-1-85

The foregoing approvals for the 1985 Drilling Program for the
Lindrith Unit I Section No. 713, Rio Arriba County, New Mexico

LINDRITH UNIT

WORKING INTEREST OWNERS

Mobil Oil Corporation

Tenneco Oil Company

Conoco, Inc.

Petro-Lewis Corporation

Mobil Producing Texas & New Mexico Inc.

NINE GREENWAY PLAZA—SUITE 2700
HOUSTON, TEXAS 77046

January 22, 1985

Bureau of Land Management
Albuquerque District Office
505 Marquette, N.W.
P. O. Box 6770
Albuquerque, New Mexico 87197-6770

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

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



APPLICATION FOR APPROVAL OF THE
SECOND REVISION OF THE PARTICIPATING
AREA FOR THE DAKOTA FORMATION
LINDRITH UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc. (MPTM), as Sub-Operator for the Lindrith Unit Agreement, pursuant to the provisions of Section 10 thereof, respectfully submits for your approval the selection of the following described lands to constitute the second revision of the participating area for the Dakota producing formation, to wit:

T. 24 N., R. 3 W., N.M.P.M.
Sec. 15: NW/4
Sec. 16: NE/4

320.00 acres, more or less.

In support of this application, the following items are attached hereto and made a part hereof:

- (1) Exhibit A showing thereon the boundaries of the unit area, the participating area as heretofore established, and the proposed revision herein.

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
January 22, 1985
Page 2

- (2) Exhibit B showing the lands entitled to participation in the unitized substances produced from the Dakota formation, with the percentage of participation of each tract indicated thereon.

MPTM has previously submitted to the Bureau of Land Management a geological and engineering report supporting and justifying the proposed selection of the second revision of the participating area.

Consequently, MPTM respectfully requests your approval of the hereinabove selection of lands to constitute the second revision of the Dakota formation participating area, to be effective November 1, 1982.

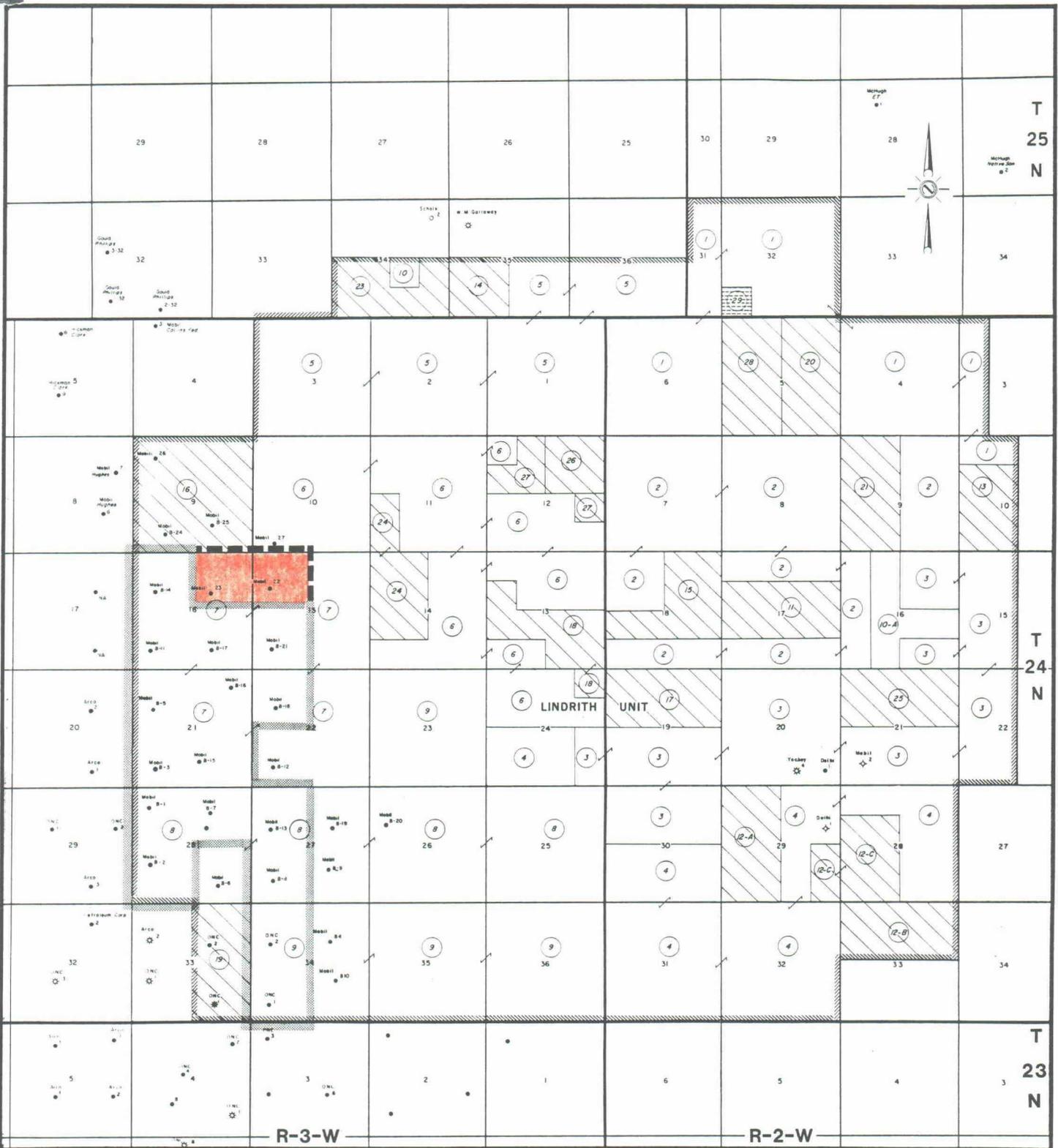
Respectfully submitted,



F. C. Luce
Attorney-in-Fact

TMP:skg

Attachments



-  Federal Land
-  State Land
-  Fee Land
-  Unit Area Boundary
-  Tract Number From Exhibit B
-  Participating Area For The Dakota Formation
-  The Second Revision

Mobil Producing
Texas & New Mexico Inc.
 Houston, Texas
LINDRITH UNIT
 Dakota Formation Participating Area
 Lindrith Unit Agreement
 Exhibit - A
 Rio Arriba, New Mexico

EXHIBIT "B"

Second Revision Dakota Formation
 Participating Area
 Lindrith Unit Agreement
 Rio Arriba County, New Mexico

Tract No.	Lease No. or Type of Land	Description	Participating Acres	Percent of Participation	Working Interest Owner and Percent of Interest
7	SF-078913	T24N-R3W, NMPM Sec. 15: W/2 Sec. 16: All Sec. 21: All Sec. 22: NW/4	1,760.00	61.1111	Mobil Producing Texas & New Mexico Inc. Conoco, Inc. Tenneco Oil Company
8	SF-078914	T24N-R3W, NMPM Sec. 27: W/2 Sec. 28: SW/4, N/2	800.00	27.7778	Mobil Producing Texas & New Mexico Inc. Conoco, Inc. Tenneco Oil Company
9	SF-078915	T24N-R3W, NMPM Sec. 34: W/2	320.00	11.1111	Odessa Natural Corporation Conoco, Inc. Tenneco Oil Company
		Total Federal Lands	2,880.00	100.0000	
		Total State Lands	2,880.00	0.00	
		Total Patented Lands	0.00	0.00	
		Total	2,880.00		

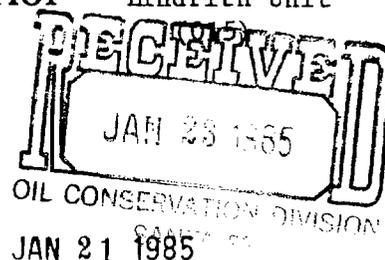


United States Department of the Interior

Lindrith Unit

BUREAU OF LAND MANAGEMENT ALBUQUERQUE DISTRICT OFFICE

505 Marquette, N.W.
P.O. Box 6770
Albuquerque, New Mexico 87197-6770



Mobil Producing Texas and New Mexico Inc.
Attention: Tom Parker
Nine Greenway Plaza, Suite 2700
Houston, Texas 77046

Gentlemen:

Your application of December 31, 1984, requesting approval of the initial Dakota Participating Area for the Lindrith Unit Agreement, Rio Arriba County, New Mexico, No. ISEC-713, was approved on this date. The initial participating area is effective as of January 5, 1979.

The initial participating area is 1,280.00 acres described as the W $\frac{1}{2}$ section 21, SW $\frac{1}{4}$ section 27, SW $\frac{1}{4}$ and N $\frac{1}{2}$ section 28, and W $\frac{1}{2}$ section 34, all in T. 24 N., R. 3 W., NMPM. The initial participating area is based on the completion of unit wells 1, 2, 3, 5, 7, 8, 34-1 and 34-2.

Copies of the approved application are being distributed to the appropriate Federal offices and an approved copy is returned herewith. You are requested to furnish all interested parties with appropriate evidence of this approval.

We are also returning some data and reports that are extra copies or not needed for our files.

Sincerely yours,

(ORIG. SGD.) GARY A. STEPHENS

For District Manager

Enclosures

cc:
Comm. of Public Lands
NMOCD
Micrographics 943B-4 (w/enc)
Fluids Section FRAH (w/enc)
Unit File: Dakota PA
O&G Chron

015:RKent:tt:1/15/85:0391M



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

January 10, 1985

#159

Mobil Producing Texas &
New Mexico Inc.
9 Greenway Plaza
Suite 2700
Houston, Texas 77046

Attention: F. C. Luce

Re: Application for Approval
of Initial Participating
Area for the Dakota
Formation Lindrith Unit
Area, Rio Arriba County,
New Mexico

Dear Mr. Luce:

The above referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY F. JOHNSON
Senior Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque
OCD District Office - Aztec



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

January 10, 1985

Mobil Producing Texas &
New Mexico Inc.
Nine Greenway Plaza
Suite 2700
Houston, Texas 77046

#159

Attention: F. C. Luce

Re: Application for Approval
of the First Review of
the Participating Area
for the Dakota Formation
Lindrith Unit Area
Rio Arriba County, NM

Dear Mr. Luce:

The above referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON
Senior Petroleum Geologist

REJ/dp

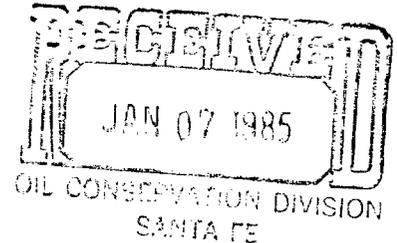
cc: Commissioner of Public Lands - Santa Fe
Bureau of Land Management - Albuquerque
OCD District Office - Aztec

Mobil Producing Texas & New Mexico Inc.

NINE GREENWAY PLAZA—SUITE 2700
HOUSTON, TEXAS 77046

January 2, 1985

Bureau of Land Management
Albuquerque District Office
505 Marquette, N.W.
P. O. Box 6770
Albuquerque, New Mexico 87197-6770



Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

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

APPLICATION FOR APPROVAL OF THE
FIRST REVISION OF THE PARTICIPATING
AREA FOR THE DAKOTA FORMATION
LINDRITH UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc. (MPTM), as Sub-Operator for the Lindrith Unit Agreement, pursuant to the provisions of Section 10 thereof, respectfully submits for your approval the selection of the following described lands to constitute the first revision of the participating area for the Dakota producing formation, to wit:

T. 24 N., R. 3 W., N.M.P.M.
Sec. 15: SW/4
Sec. 16: NW/4, S/2
Sec. 21: E/2
Sec. 22: NW/4
Sec. 27: NW/4

1,280.00 acres, more or less.

In support of this application, the following items are attached hereto and made a part hereof:

- (1) Exhibit A showing thereon the boundaries of the unit area, the participating area as heretofore established, and the proposed revision herein.

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
January 2, 1985
Page 2

- (2) Exhibit B showing the lands entitled to participation in the unitized substances produced from the Dakota formation, with the percentage of participation of each tract indicated thereon.

MPTM has previously submitted to the Bureau of Land Management a geological and engineering report supporting and justifying the proposed selection of the first revision of the participating area.

Consequently, MPTM respectfully requests your approval of the hereinabove selection of lands to constitute the first revision of the Dakota formation participating area, to be effective February 1, 1981.

Respectfully submitted,



F. C. Luce
Attorney-in-Fact

TMP:skg

Attachments

EXHIBIT "B"

First Revision Dakota Formation
 Participating Area
 Lindrith Unit Agreement
 Rio Arriba County, New Mexico

Tract No.	Lease No. or Type of Land	Description	Participating Acres	Percent of Participation	Working Interest Owner and Percent of Interest
7	SF-078913	T24N-R3W, NMPM Sec. 15: SW/4 Sec. 16: NW/4, S/2 Sec. 21: All Sec. 22: NW/4	1,440.00	56.2500	Mobil Producing Texas & New Mexico Inc. Conoco, Inc. Tenneco Oil Company
8	SF-078914	T24N-R3W, NMPM Sec. 27: W/2 Sec. 28: SW/4, N/2	800.00	31.2500	Mobil Producing Texas & New Mexico Inc. Conoco, Inc. Tenneco Oil Company
9	SF-078915	T24N-R3W, NMPM Sec. 34: W/2	320.00	12.5000	Odessa Natural Corporation Conoco, Inc. Tenneco Oil Company
		Total Federal Lands	<u>2,560.00</u>	<u>100.0000</u>	
		Total State Lands	2,560.00	0.00	
		Total Patented Lands	<u>0.00</u>		
		Total	<u>2,560.00</u>		

Mobil Producing Texas & New Mexico Inc.

NINE GREENWAY PLAZA—SUITE 2700
HOUSTON, TEXAS 77046

December 31, 1984

Bureau of Land Management
Albuquerque District Office
505 Marquette, N.W.
P. O. Box 6770
Albuquerque, New Mexico 87197-6770

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

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

APPLICATION FOR APPROVAL OF INITIAL
PARTICIPATING AREA FOR THE DAKOTA
FORMATION
LINDRITH UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico Inc. (MPTM), as Sub-Operator for the Lindrith Unit Agreement, pursuant to the provisions of Section 10 thereof, respectfully submits for your approval the selection of the following described lands to constitute the initial participating area for the Dakota producing formation, to wit:

T. 24 N., R. 3 W., N.M.P.M.
Sec. 21: W/2
Sec. 27: SW/4
Sec. 28: SW/4, N/2
Sec. 34: W/2

1,280.00 acres, more or less.

In support of this application, the following items are attached hereto and made a part hereof:

- (1) Exhibit A showing thereon the boundaries of the unit area and the proposed initial participating area.

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
December 31, 1984
Page 2

- (2) Exhibit B showing the lands entitled to participation in the unitized substances produced from the Dakota formation, with the percentage of participation of each tract indicated thereon.

MPTM has previously submitted to the Bureau of Land Management a geological and engineering report supporting and justifying the proposed selection of the participating area.

Consequently, MPTM respectfully requests your approval of the hereinabove selection of lands to constitute the initial Dakota formation participating area, to be effective January 5, 1979.

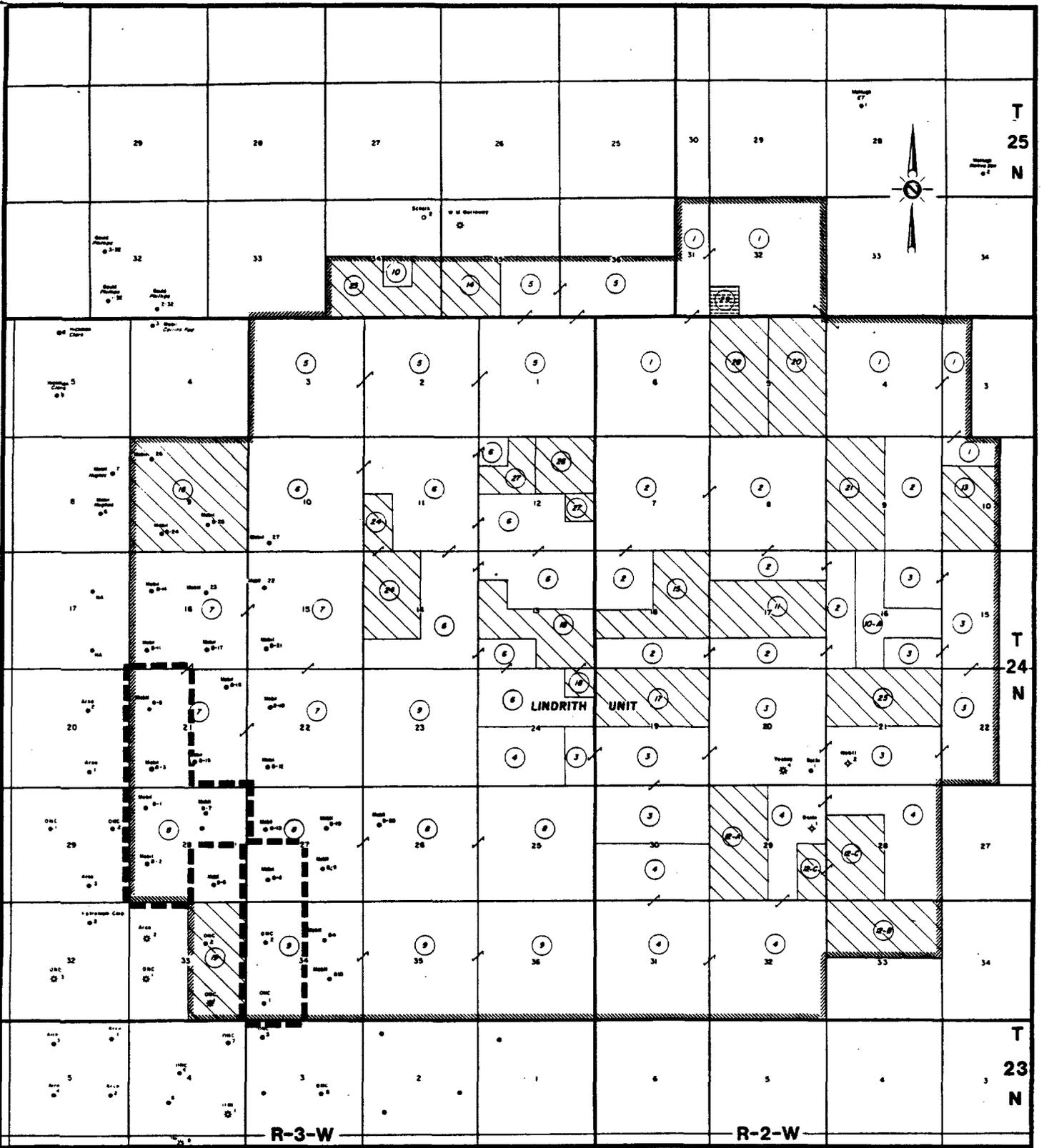
Respectfully submitted,



F. C. Luce
Attorney-in-Fact

TMP/skg

Attachments



-  Federal Land
-  State Land
-  Fee Land
-  Unit Area Boundary

-  Tract Number From Exhibit B
-  Participating Area For The Dakota Formation

Mobil Producing
Texas & New Mexico Inc.
 Houston, Texas
LINDRITH UNIT
 Initial Dakota Formation Participating Area
 Lindrith Unit Agreement
 Exhibit - A
 Rio Arriba, New Mexico

EXHIBIT "B"

Initial Dakota Formation
Participating Area
Lindriith Unit Agreement
Rio Arriba County, New Mexico

Tract No.	Lease No. or Type of Land	Description	Participating Acres	Percent of Participation	Working Interest Owner and Percent of Interest
7	SF-078913	T24N-R3W, NMPM Sec. 21: W/2	320.00	25.0000	Mobil Producing Texas & New Mexico Inc. Conoco, Inc. Tenneco Oil Company
8	SF-078914	T24N-R3W, NMPM Sec. 27: SW/4 Sec. 28: SW/4, N/2	640.00	50.0000	Mobil Producing Texas & New Mexico Inc. Conoco, Inc. Tenneco Oil Company
9	SF-078915	T24N-R3W, NMPM Sec. 34: W/2	320.00	25.0000	Odessa Natural Corporation Conoco, Inc. Tenneco Oil Company
			<u>1,280.00</u>	<u>100.0000</u>	
		Total Federal Lands	1,280.00		
		Total State Lands	0.00		
		Total Patented Lands	0.00		
		Total	1,280.00		

State of New Mexico

#159



JIM BACA
COMMISSIONER

Commissioner of Public Lands

November 16, 1984

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery User
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

El Paso Exploration Company
P. O. Box 4289
Farmington, New Mexico 87499-4239

Re: Lindrith Unit I Section No. 713
Rio Arriba County, New Mexico
1984 Drilling Program

ATTENTION: Mr. Van L. Goebel

Gentlemen:

The Commissioner of Public Lands has this date approved your 1984 Drilling Program for the Lindrith Unit area, Rio Arriba County, New Mexico. Such plan calls for the drilling of four Pictured Cliffs wells and one Chacon Dakota well. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-5744

JB/RDG/pm
encls.
cc:

OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez



United States Department of the Interior Lindrith Unit (015)

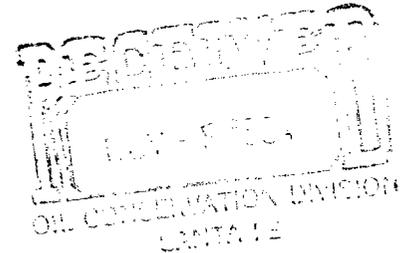
BUREAU OF LAND MANAGEMENT ALBUQUERQUE DISTRICT OFFICE

505 Marquette, N.W.

P.O. Box 6770

Albuquerque, New Mexico 87197-6770

NOV 1 1984



El Paso Exploration Company
Attention: Alan Alexander
P.O. Box 4289
Farmington, New Mexico 87499-4289

Gentlemen:

Two approved copies of your 1984 Plan of Development for the Lindrith Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing to drill four Pictured Cliffs wells and one Dakota well, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(Orig. Signed)—Michael F. Reitz

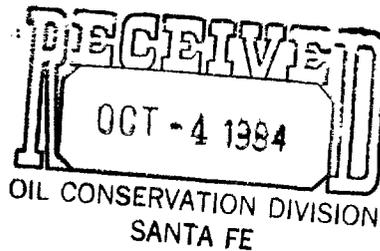
For District Manager

Enclosure

cc:
 NMOCD, Santa Fe
 Comm. of Pub. Lands, Santa Fe
 Micrographics 943B-4
 Fluids Section FRAH
 File: POD
 O&G Chron

015:RAKent:tt:10/30/84:0170M

El Paso
Exploration Company



P. O. BOX 4289
FARMINGTON, NEW MEXICO 87499-4289
PHONE: 505-325-2841

October 2, 1984

United States Department of the Interior
Bureau of Land Management
505 Marquette Avenue, Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit I Section No. 713
Rio Arriba County, New Mexico
1984 Drilling Program

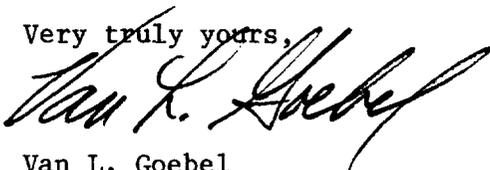
Gentlemen:

By our letter, dated September 19, 1984, El Paso Natural Gas Company, as Unit Operator, filed our 1984 Drilling Program. In our letter we proposed that the #106 Pictured Cliffs well be drilled in the NE/4 Section 3, T24N, R3W. El Paso requests that the #106 Pictured Cliffs well be cancelled and replaced with the following well.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#12	SE/4 Section 22, T24N, R3W	Pictured Cliffs

Please accept this letter as being part of the 1984 Drilling Program submitted to you in our letter of September 19, 1984.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

Van L. Goebel
Senior Landman

VLG:ld
attachment
Lindrith Unit, 3.0

LINDRITH UNIT
WORKING INTEREST OWNERS

Conoco, Inc.

Mobil Producing Texas and
New Mexico, Inc.

Tenneco Oil Exploration and Production

Petro-Lewis Corporation

El Paso
Exploration Company



P. O. BOX 289
FARMINGTON, NEW MEXICO 87401
PHONE: 505-325-2841

Ext. 3104

September 19, 1984

#159

BUREAU OF LAND MANAGEMENT
South Central Region
505 Marquette Avenue N.W., Suite 815
Albuquerque, New Mexico 87102

COMMISSIONER OF PUBLIC LANDS
STATE OF NEW MEXICO
Post Office Box 1148
Santa Fe, New Mexico 87501

OIL CONSERVATION DIVISION
STATE OF NEW MEXICO
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit I Section No. 713
Rio Arriba County, New Mexico
1984 Drilling Program

Gentlemen:

By letter dated June 8, 1983, El Paso Natural Gas Company, as Unit Operator of the Lindrith Unit, filed a Drilling Program covering the subject Unit for the calendar year 1983 providing for the drilling of no wells.

As of this date, the total number of wells in the Lindrith Unit is as follows:

Pictured Cliffs (Gas)	92
Pictured Cliffs (Non-commercial)	5
Pictured Cliffs, Being evaluated	4
Dakota	1
Gallup	1
Plugged and Abandoned	<u>12</u>
	115

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year 1984.

Regulatory Agencies
September 19, 1984
Page Two

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#106	NE $\frac{1}{4}$ Section 3, T24N, R3W	Pictured Cliffs
#108	SW $\frac{1}{4}$ Section 22, T24N, R2W	Pictured Cliffs
#112	SE $\frac{1}{4}$ Section 26, T24N, R3W	Pictured Cliffs
#113	SW $\frac{1}{4}$ Section 36, T24N, R3W	Pictured Cliffs

LINDRITH "B" UNIT

By Designation of Sub-Operator, dated May 7, 1979, El Paso Natural Gas Company designated Mobil Oil Corporation as Operator of the Lindrith Unit for all formations below the base of the Pictured Cliffs formation (except as to the Dakota formation in the W $\frac{1}{2}$ Section 34, T24N, R3W).

As of this date the total number of wells in the Lindrith "B" Unit is as follows:

Chacon Dakota 20

Pursuant to Section 9 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as operator of the Lindrith Unit on behalf of and at the request of Mobil Producing Texas & New Mexico, Inc., successor to Mobil Oil Corporation as sub-operator of the Lindrith Unit, respectfully submits for your approval the 1984 Plan of Development for the Chacon Dakota Formation, designated as the Lindrith "B" Unit providing for the drilling of the following wells during calendar year 1984.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#27	SW $\frac{1}{4}$ Section 10, T24N, R3W	Chacon Dakota

All working interest owners have been contacted, and this Drilling Program meets their approval. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Regulatory Agencies
September 19, 1984
Page Three

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

A handwritten signature in cursive script that reads "Alan Alexander".

Alan Alexander
District Land Manager

AA:ld
attachment
Lindrith Unit, 3.0

APPROVED: _____ DATE: _____
Area Oil & Gas Supervisor
Bureau of Land Management
(Subject to like approval by
the Commissioner of Public
Lands and the Oil Conserva-
tion Division)

APPROVED: _____ DATE: _____
Commissioner of Public Lands
(Subject to like approval by
the Bureau of Land Management
and the Oil Conservation
Division)

APPROVED: *Ray E. Johnson* DATE: 9-24-84
Oil Conservation Division
(Subject to like approval by
the Bureau of Land Management
and the Commissioner of Public
Lands)

The foregoing approvals for the 1984 Drilling Program for the
Lindrith Unit I Section No. 713, Rio Arriba County, New Mexico.

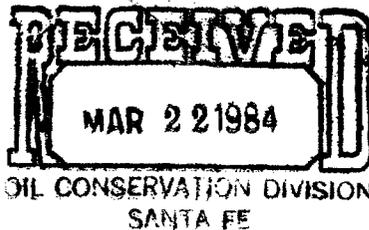
LINDRITH UNIT
WORKING INTEREST OWNERS

Conoco, Inc.

Mobil Producing Texas and
New Mexico, Inc.

Tenneco Oil Exploration and Production

Petro-Lewis Corporation



Lindrith Unit

MAR 10 1984

El Paso Natural Gas Company
Attention: Mr. James R. Permenter
P.O. Box 1492
El Paso, Texas 79978

Gentlemen:

Your application of November 4, 1983 and November 14, 1983 requesting approval of the twenty-eighth, twenty-ninth, and thirtieth revisions of the Pictured Cliffs Participating Area for the Lindrith Unit Agreement, Rio Arriba County, New Mexico, were approved on this date.

The twenty-eighth revision to the participating area adds 160.00 acres described as the N $\frac{1}{2}$ NE $\frac{1}{4}$ and the S $\frac{1}{2}$ SE $\frac{1}{4}$ section 17, T. 24 N., R. 2 W., NMPM, Rio Arriba County, New Mexico. The twenty-eighth revision is based on the completion of JoAnn's Jewel No. 3 and Di's Delight No. 2 and is effective August 1, 1981.

The twenty-ninth revision to the participating area adds 471.72 acres described as the S $\frac{1}{2}$ section 2, T. 24 N., R. 3 W., Lot 3, Lot 4, and E $\frac{1}{2}$ SW $\frac{1}{4}$ section 7, T. 24 N., R. 2 W., NMPM, Rio Arriba County, New Mexico. The twenty-ninth revision is based on the completion of well Nos. 105, 109, and 110 and is effective September 1, 1982.

The thirtieth revision to the participating area adds 160.00 acres described as the SE $\frac{1}{4}$ section 28, T. 24 N., R. 3 W., NMPM, Rio Arriba County, New Mexico. The thirtieth revision is based on completion of well No. 111 and is effective October 1, 1982.

Copies of the approved applications are being distributed to the appropriate Federal offices and approved copies are returned herewith. You are requested to furnish all other interested parties with appropriate evidence of these approvals.

Sincerely yours,

(LONG, SGD.) GARY A. STEPHENS

For District Manager

Enclosures

cc:

NMOCD ✓

Comm. of Public Lands

FRAH (Fluids) (w/encl.)

AOD-FAB-LAC, Denver (w/schedule)

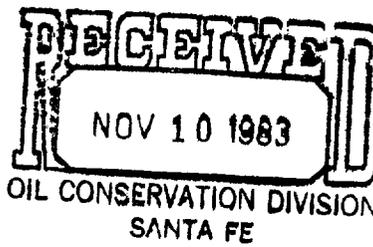
File: Lindrith Unit (Pictured Cliffs PA)

Micrographics (w/encl.)

O&G Chrono

Chrono File

015:KSavles:ir:03/14/84:0436P



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

November 4, 1983

#159

Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Lindrith Unit Agreement, I Section
No. 713, Rio Arriba County, New Mexico
REQUEST FOR APPROVAL OF THE TWENTY-EIGHTH
EXPANDED PARTICIPATING AREA,
Pictured Cliffs Formation,
Effective August 1, 1981

Gentlemen:

Pursuant to Section 10 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Twenty-Eighth Expanded Participating Area for the Pictured Cliffs Formation, Lindrith Unit, Rio Arriba County, New Mexico, which includes in addition to the lands previously submitted, the following lands reasonably estimated to be productive in paying quantities from the Pictured Cliffs Formation.

Twenty-Eighth Expanded Participating Area - Effective August 1, 1981

<u>Description of Lands</u>	<u>Acres</u>
Township 24 North, Range 2 West Section 17: N/2 NE/4 and S/2 SE/4	160.00*

*COMMITTED ACREAGE ONLY; the S/2 N/2 and N/2 S/2 of T-24-N, R-2-W are not committed to the unit; see TRACT 12 on SCHEDULE XXIX. S/2 NW/4 and N/2 SW/4 brought in by 27th Pictured Cliffs Expansion.

The lands described above are proven productive by the following:

The Di's Delight No. 2 Well (formerly named Di's Delight No. 4) located 1850' from the North line and 1850' from the East line of Section 17, Township 24 North, Range 2 West, N.M.P.M., was spudded on June 5, 1981, and completed on June 27, 1981, at a plugged back depth of 3273'. The Pictured Cliffs Formation at the selected intervals between 3140' and 3249' was treated with a sand-water fracturing process. The well was shut-in on June 27, 1981, and after being shut-in for eleven (11) days, the Pictured Cliffs Formation was tested on July 8, 1981, using the open flow method with an AOF of 1843 MCF/D, with an SIPC of 235 psia. The spacing unit for this well is described as the NE/4 of Section 17, Township 24 North, Range 2 West, N.M.P.M., containing 80.00 committed acres in the N/2 NE/4. The S/2 NE/4 is uncommitted to the unit.

The JoAnn's Jewell #3 Well, located 1520' from the South line and 1850' from the East line of Section 17, Township 24 North, Range 2 West, N.M.P.M., was spudded on May 30, 1981, and completed on June 27, 1981, at a plugged back depth of 3248'. The Pictured Cliffs Formation at the selected intervals between 3163' and 3236' was treated with a sand-water fracturing process. The well was shut-in on June 27, 1981, and after being shut-in for eleven (11) days, the Pictured Cliffs Formation was tested on July 8, 1981, using the open flow method with an AOF of 2450 MCF/D, with an SIPC of 879 psia. The spacing unit for this well is described as the SE/4 of Section 17, Township 24 North, Range 2 West, N.M.P.M., containing 80.00 committed acres in the S/2 SE/4. The N/2 SE/4 is uncommitted to the unit.

The effective date for the Twenty-Eighth Expanded Participating Area is determined as August 1, 1981, the first day of the month following the testing of the above-referenced well.

Attached hereto is Schedule XXIX showing the Twenty-Eighth Expanded Participating Area for the Pictured Cliffs Formation in the Lindrith Unit Area. This schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the varied ownership in said tract.

Attached also in support of these Expansions are the following Exhibits which are made a part hereof.

Exhibit "A"

Ownership maps reflecting the boundaries of the Lindrith Unit and the proposed Twenty-Eighth Expanded Participating Area, Pictured Cliffs Formation.

Regulatory Agencies
November 4, 1983
Page Three

Exhibit "B"

Geological Report on the Twenty-Eighth Expanded Participating Area,
Pictured Cliffs Formation.

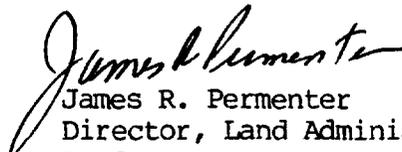
Exhibit "C"

Structural contour and Isopach maps.

If the Twenty-Eighth Expansion meets with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy for our records.

A copy of this letter and the attached Schedule XXIX is being sent to the working interest owners shown on the attached sheet.

Very truly yours,


James R. Permenter
Director, Land Administration
Land Department

JRP:MLB:dml
Enclosures
Lindrith Unit, 4.1

APPROVED: _____
Bureau of Land Management
(Subject to like approval by
the Commissioner of Public
Lands and the Oil Conservation
Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by
the Minerals Management Service
and the Oil Conservation
Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by
the Minerals Management Service
and the Public Lands)

DATED: 11-14-83

The foregoing approval is for the Twenty-Eighth Expanded Participating Area for the Pictured Cliffs Formation, effective August 1, 1981, under the Lindrith Unit Area I, Section No. 713, Rio Arriba County, New Mexico.

LINDRITH UNIT
WORKING INTEREST OWNERS

Conoco, Inc.

Mobil Oil Corporation (3)

Tenneco Oil Company

SCHEDULE XXIX
TWENTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
LINDRITH UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078907	T-24-N, R-2-W Sec. 6: SE/4	160.00	<u>TRACT 1</u>			<u>1.107524%</u>
			Royalty;	12.500000%	12.500000%	
			Working Interest: El Paso Natural Gas Co.;	74.218750%	74.218750%	
			ORRI;	13.281250%	13.281250%	
	TOTAL		<u>100.000000%</u>	<u>100.000000%</u>		
SF 078908	T-24-N, R-2-W Sec. 8: NE/4 Sec. 17: N/2 N/2, S/2 S/2 Sec. 18: Lots 1, 2, 4, E/2 NW/4, SE/4 SW/4, S/2 SE/4	787.88	<u>TRACT 2</u>			<u>5.453725%</u>
			Royalty;	12.500000%	12.500000%	
			Working Interest: El Paso Natural Gas Co.;	74.218750%	74.218750%	
			ORRI;	13.281250%	13.281250%	
	TOTAL		<u>100.000000%</u>	<u>100.000000%</u>		
SF 078909	T-24-N, R-2-W Sec. 19: Lots 3, 4, E/2 SW/4, SE/4 Sec. 20: All Sec. 21: S/2 Sec. 30: Lots 1, 2, E/2 NW/4, NE/4 T-24-N, R-3-W Sec. 24: E/2 SE/4	1664.29	<u>TRACT 3</u>			<u>11.520256%</u>
			Royalty;	12.500000%	12.500000%	
			Working Interest: El Paso Natural Gas Co.;	74.218750%	74.218750%	
			ORRI;	13.281250%	13.281250%	
	TOTAL		<u>100.000000%</u>	<u>100.000000%</u>		

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 078910	T-24-N, R-2-W	2296.53			
	Sec. 28: NE/4, SE/4, N/2 NW/4		Royalty; Working Interest: El Paso Natural Gas Co.;	12.500000%	12.500000%
	Sec. 29: NE/4, W/2 SE/4			74.218750%	74.218750%
	Sec. 30: Lots 3, 4, E/2 SW/4, SE/4			13.281250%	13.281250%
	Sec. 31: Lots 1, 2, 3, 4, E/2 W/2, E/2				
	Sec. 32: SE/4, W/2				
T-24-N, R-3-W					
Sec. 24: SW/4, W/2 SE/4			TOTAL	100.000000%	100.000000%
<u>TRACT 4</u>					
SF 078911	T-24-N, R-3-W	320.00			
	Sec. 3: S/2		Royalty; Working Interest: El Paso Natural Gas Co.;	12.500000%	12.500000%
				74.218750%	74.218750%
				13.281250%	13.281250%
				100.000000%	100.000000%
				TOTAL	100.000000%
<u>TRACT 5</u>					
SF 078912	T-24-N, R-3-W	2400.00			
	Sec. 10: S/2, NE/4		Royalty; Working Interest: El Paso Natural Gas Co.;	12.500000%	12.500000%
	Sec. 11: E/2, SW/4, NW/4			74.218750%	74.218750%
	Sec. 12: SW/4, NW/4 NW/4, S/2 SW/4, NW/4 SE/4			13.281250%	13.281250%
	Sec. 13: E/2 NW/4, NW/4 NW/4, S/2 SW/4, NE/4			100.000000%	100.000000%
	Sec. 14: E/2, S/2 SW/4				
Sec. 24: NW/4 SW/2 NE/4, SE/4 NE/4			TOTAL	100.000000%	100.000000%
<u>TRACT 6</u>					
<u>15.8966638%</u>					
<u>2.215048%</u>					
<u>16.612859%</u>					

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078913	T-24-N, R-3-W	2400.00				<u>16.612859%</u>
	Sec. 15: All			12.500000%	12.500000%	
	Sec. 16: All			74.218750%	74.218750%	
	Sec. 21: All			13.281250%	13.281250%	
	Sec. 22: N/2, SW/4			<u>100.000000%</u>	<u>100.000000%</u>	
	<u>TRACT 7</u>					
SF 078914	T-24-N, R-3-W	640.00				<u>4.430096%</u>
	Sec. 25: All			12.500000%	12.500000%	
	Royalty;			74.218750%	74.218750%	
	Working Interest;			13.281250%	13.281250%	
	El Paso Natural Gas Co.;			<u>100.000000%</u>	<u>100.000000%</u>	
	<u>TRACT 8</u>					
SF 078915	T-24-N, R-3-W	960.00				<u>6.645144%</u>
	Sec. 23: NW/4			12.500000%	12.500000%	
	Sec. 36: E/2, NW/4			74.218750%	74.218750%	
	Royalty;			13.281250%	13.281250%	
	Working Interest;			<u>100.000000%</u>	<u>100.000000%</u>	
	<u>TRACT 9</u>					
Patented	T-24-N, R-2-W	*320.00				<u>0.000000%</u>
	Sec. 17: S/2 N/2,			12.500000%	12.500000%	
	N/2 S/2			87.500000%	87.500000%	
	Undivided 320.00 net acres			0.000000%	0.000000%	
	*Uncommitted to Unit			<u>100.000000%</u>	<u>100.000000%</u>	
	<u>TRACT 12</u>					

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
Patented	T-24-N, R-2-W	*320.00				<u>1.661286%</u>
	Sec. 29: NW/4, SW/4			9.375000%	6.250000%	
	*Undivided 240.00 net acres committed			56.250000%	56.250000%	
				25.000000%	.000000%	
				9.375000%	9.375000%	
	TOTAL		<u>100.000000%</u>	<u>71.875000%</u>		
Patented	T-24-N, R-2-W	*320.00				<u>.207661%</u>
	Sec. 33: N/2			1.171875%	1.171875%	
	*Undivided 30.00 net acres committed.			6.958008%	6.958008%	
				90.625000%	.000000%	
				1.245117%	1.245117%	
	TOTAL		<u>100.000000%</u>	<u>9.375000%</u>		
Patented	T-24-N, R-2-W	*320.00				<u>1.107524%</u>
	Sec. 28: S/2 NW/4, SW/4			6.250000%	6.250000%	
	Sec. 29: E/2 SE/4			37.500000%	37.500000%	
	*Undivided 160.00 net acres committed			12.500000%	.000000%	
				.625000%	.000000%	
				.312000%	.000000%	
				25.000000%	.000000%	
				6.250000%	.000000%	
				4.688000%	.000000%	
				.625000%	.000000%	
	TOTAL		<u>100.000000%</u>	<u>50.000000%</u>		

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
Patented	T-24-N, R-2-W	315.96				<u>2.187083%</u>
	Sec. 18: Lots 3, NE/4			12.500000%	12.500000%	
	SW/4, NE/4,			74.218750%	74.218750%	
	N/2 SE/4			12.281250%	13.281250%	
	TOTAL		100.000000%	100.000000%		
<u>TRACT 16</u>						
Patented	T-24-N, R-3-W	640.00				<u>4.430096%</u>
	Sec. 9: All			12.500000%	12.500000%	
	Royalty;			74.218750%	74.218750%	
	Working Interest: El Paso Natural Gas Co.; ORRI;			13.281250%	13.281250%	
	TOTAL		100.000000%	100.000000%		
<u>TRACT 17</u>						
Patented	T-24-N, R-2-W	311.98				<u>2.159533%</u>
	Sec. 19: Lots 1, 2, E/2			12.500000%	6.250000%	
	NW/4, NE/4			74.218750%	74.218750%	
	Royalty;			13.281250%	13.281250%	
	TOTAL		100.000000%	93.750000%		
<u>TRACT 18</u>						
Patented	T-24-N, R-3-W	320.00				<u>2.215048%</u>
	Sec. 13: SW/4 NW/4, N/2			12.500000%	12.500000%	
	S/2, S/2 SE/4			74.218750%	72.281750%	
	Royalty;			13.281250%	13.218250%	
	TOTAL		100.000000%	100.000000%		
<u>TRACT 19</u>						

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
Patented	T-24-N, R-2-W Sec. 9: NW/4	160.00	<u>TRACT 22</u>			<u>1.107524%</u>
			Royalty;	12.500000%	12.500000%	
			Working Interest: El Paso Natural Gas Co.;	74.281750%	74.281750%	
			ORRI;	13.218250%	13.218250%	
	TOTAL		100.000000%	100.000000%		
Patented	T-24-N, R-3-W Sec. 11: W/2 SW/4 Sec. 14: NW/4, N/2 SW/4 *Royalty Interest not committed to Lindrith Unit.	320.00	<u>TRACT 24</u>			<u>2.215048%</u>
			*Royalty;	12.500000%	.000000%	
			Working Interest: El Paso Natural Gas Co.;	75.000000%	75.000000%	
			ORRI;	12.500000%	12.500000%	
	TOTAL		100.000000%	87.500000%		
Patented	T-24-N, R-2-W Sec. 21: NW/4	160.00	<u>TRACT 25</u>			<u>1.107524%</u>
			Royalty;	12.500000%	3.125000%	
			Working Interest: El Paso Natural Gas Co.;	75.000000%	75.000000%	
			ORRI;	12.500000%	12.500000%	
	TOTAL		100.000000%	90.625000%		
Patented	T-24-N, R-3-W Sec. 12: NE/4 SE/4, S/2 NW/4, NE/4 NW/4 *Royalty Interest Not Committed to Lindrith Unit.	160.00	<u>TRACT 27</u>			<u>1.107524%</u>
			Royalty;	12.500000%	.000000%	
			Working Interest: El Paso Natural Gas Co.;	75.000000%	75.000000%	
			ORRI;	12.500000%	12.500000%	
	TOTAL		100.000000%	87.500000%		

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>R E C A P I T U L A T I O N</u>						
Description of Lands in Participating Area:						
<u>Township 24 North, Range 2 West, N.M.P.M.</u>						
Section 6:	SE/4					
Section 8:	NE/4					
Section 9:	NW/4					
Section 17:	All (S/2 N/2 & N/2 S/2 Uncommitted)*					
Section 18:	All					
Section 19:	All					
Section 20:	All					
Section 21:	W/2, SE/4					
Section 28:	All					
Section 29:	All					
Section 30:	All					
Section 31:	All					
Section 32:	SE/4, W/2					
Section 33:	N/2					
<u>Township 24 North, Range 3 West, N.M.P.M.</u>						
Section 3:	S/2					
Section 9:	All					
Section 10:	S/2, NE/4					
Section 11:	E/2, SW/4, NW/4					
Section 12:	SE/4, W/2					
Section 13:	All					
Section 14:	All					
Section 15:	All					
Section 16:	All					
Section 21:	All					
Section 22:	N/2, SW/4					
Section 23:	N/2, SE/4					
Section 24:	All					
Section 25:	All					
Section 36:	E/2, NW/4					

Total Number of Acres in Participating Area: *15,296.64

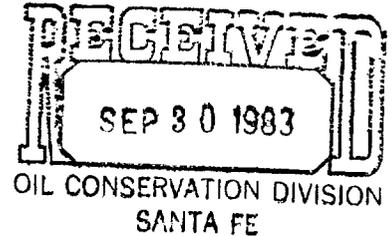
Total Number of Acres Committed to Participating Area: 14,446.64

#159

El Paso
Exploration Company

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

September 26, 1983



Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Initial Participating Area and
First Expanded Participating Area
Dakota Formation - Lindrith "B" Unit
Rio Arriba County, New Mexico
Mobil Producing Texas & New Mexico - Sub-Operator

Gentlemen:

Reference is made to the letter dated April 20, 1983, submitted by cover letter of September 14, 1983, from Mobil Producing Texas & New Mexico, Inc., for approval of the referenced expansions.

El Paso Natural Gas Company is the Operator of the Lindrith Unit. Mobil Producing Texas & New Mexico was designated as Sub-Operator for the Lindrith Unit Dakota Formation operations only. El Paso Exploration Company is the successor in interest to Odessa Natural Corporation, the Farmoutee under a Farmout Agreement covering the W/2 Section 34, Township 24 North, Range 3 West.

El Paso Exploration Company and El Paso Natural Gas Company agree that, under the contractual terms of the Farmout Agreement between Mobil Producing and Odessa, El Paso is not entitled to participate as a working interest owner in any participating area involving acreage in the Lindrith Unit by virtue of its ownership of the W/2 of Section 34. Stated another way, El Paso's ownership of Dakota production from the W/2 of Section 34 will have no impact upon ownership of (other) Dakota Participating Area production regardless of whether or not the W/2 of Section 34 is included in the Dakota Participating Area.

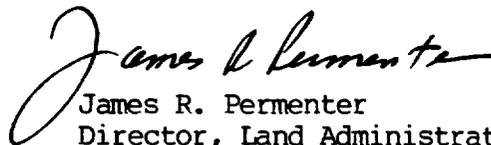
Regulatory Agencies
September 26, 1983
Page Two

El Paso's analysis of the wells in the W/2 of Section 34 shows that these wells are commercial and should have created the Initial Participating Area of the Dakota Formation for this Unit. We do not believe it is proper procedure for Mobil Producing to evaluate the wells on the basis of their recent drilling costs on other wells which indeed would make the El Paso wells non-commercial. The actual cost of drilling these wells is the criteria which should be employed.

It is our position that the Initial Dakota Participating Area should consist of the acreage in the W/2 of Section 34, Township 24 North, Range 3 West, to be in complete accordance with the terms of the Lindrith Unit Agreement and Unit Operating Agreement. We, therefore, file this letter to evidence our disagreement with Mobil's proposed Initial and First Expanded Participating Area of the Dakota Formation.

Please advise us of your decision in this matter. Copies of this letter are being sent to all working interest owners.

Very truly yours,



James R. Permenter
Director, Land Administration
Land Department

JRP:MLB:ljg
Lindrith "B" Unit; 4.3, 5.0

cc: Conoco, Inc.
P. O. Box 460
Hobbs, New Mexico 88240
Attention: Mark K. Mosley

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155
Attention: P. W. Cayce

Mobil Producing Texas & New Mexico, Inc.
Nine Greenway Plaze, Suite 2700
Houston, Texas 77046
Attention: Martha J. Mealy