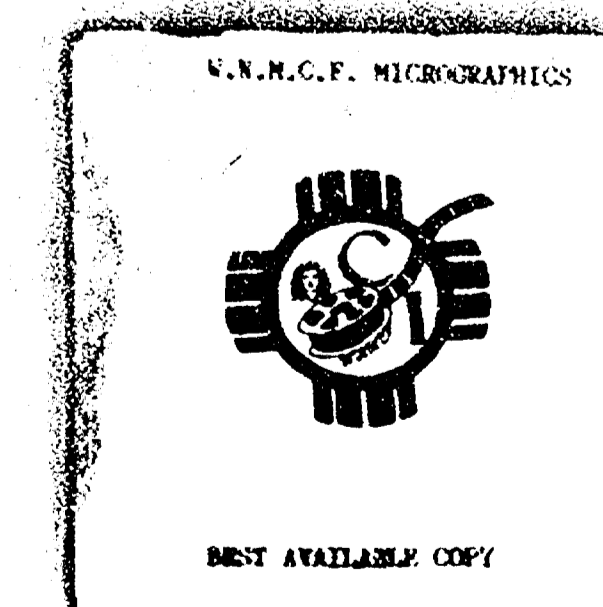
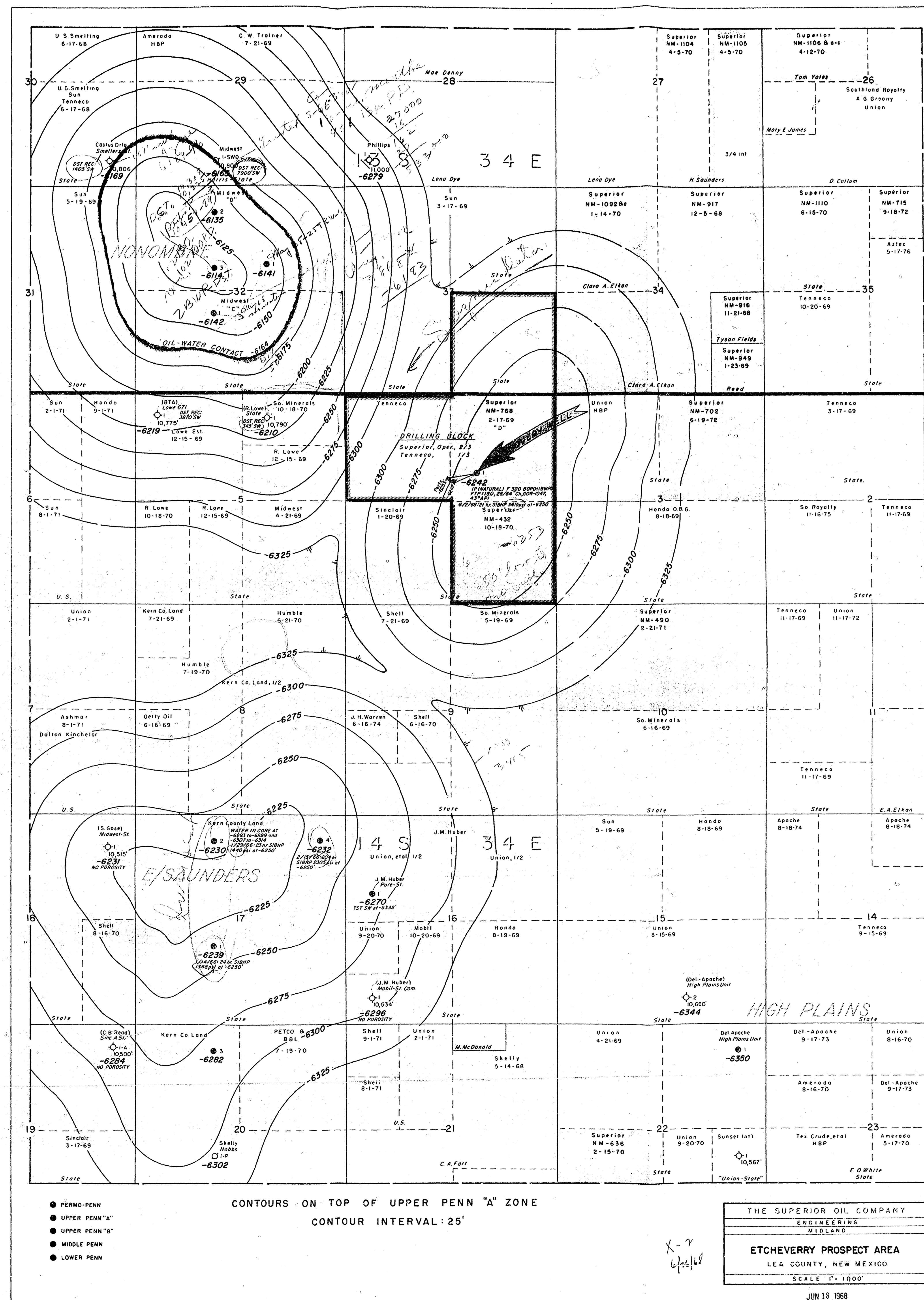
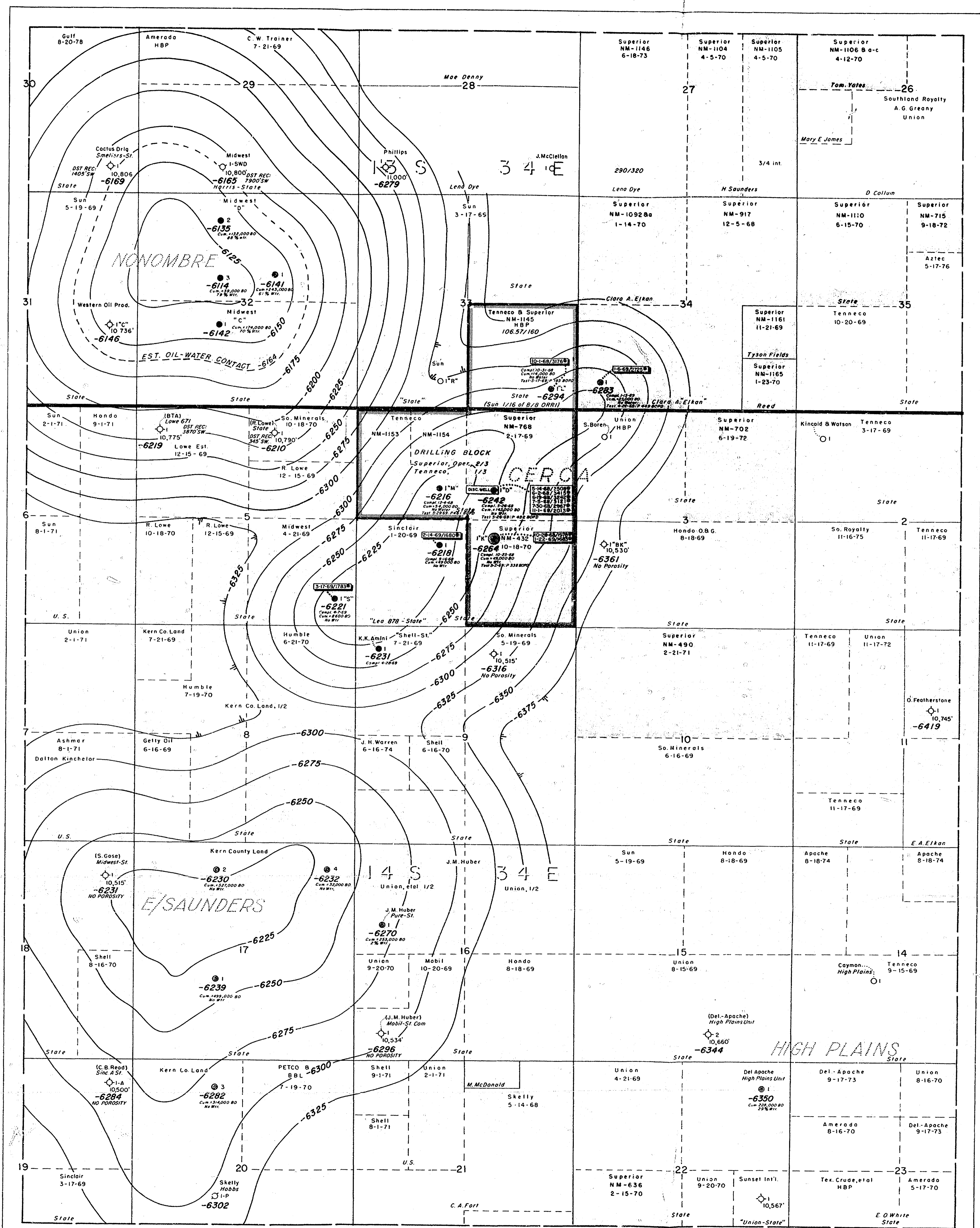


Case Number
3796

Large
Exhibits







● LOWER WOLFCAMP
 ● PERMO-PENN
 ● UPPER PENN
 ● MIDDLE PENN
 ● LOWER PENN

CONTOURS ON TOP OF UPPER PENN ZONE
 CONTOUR INTERVAL: 25'

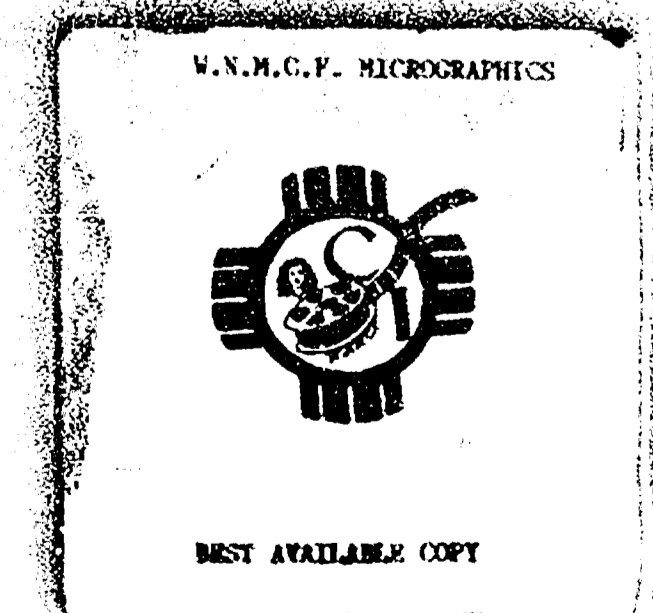
(14650 16000) - RESERVOIR PRESSURE at 6250' and DATE
 ○ - COMPLETION DATE
 ○ - CUMULATIVE OIL PRODUCTION to May 1, 1969
 ○ - PERCENT WATER CUT (to heavy hydrocarbon base) (1%)
 ○ - TEST DATE AND RATE, Barrels Oil Per Day

BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. 6
 CASE NO. 3746

THE SUPERIOR OIL COMPANY
 ENGINEERING
 MIDLAND

CERCA FIELD AREA
 LEA COUNTY, NEW MEXICO

SCALE 1" = 1000'
 JUN 2 1969



X-6
6-4-69

X-2
6-3-64

COMPLETION DATA
CERCA UPPER PENN FIELD
LEA COUNTY, NRI MEXICO

Operator	Superior	Atlantic	Superior	Superior	Superior	So. Minerals	Superior	Atlantic	Midwest	K. K. Amini
Lease and Well Name	State "M" No. 1	State "M" No. 1	State "M" No. 1	State "M" No. 1	State "M" No. 1	State "M" No. 1	State "M" No. 1	State "M" No. 1	State "M" No. 1	State "M" No. 1
Completion Date	May 26, 1968	Sept. 16, 1968	Oct. 21, 1968	Oct. 31, 1968	Dec. 4, 1968	Dec. 10, 1968	Jan. 15, 1969	Feb. 9, 1969	April 7, 1969	April 28, 1969
Total Depth	11,031'	10,500'	10,550'	10,550'	10,471'	10,515'	10,350'	10,350'	10,375'	10,380'
Plug Back Depth	10,963'	10,395'	10,465'	10,465'	10,471'	10,415'	10,350'	10,350'	10,375'	10,380'
Casing	11-3/4" @ 400'	13-3/8" @ 400'	13-3/8" @ 404'	13-3/8" @ 409'	13-3/8" @ 430'	13-3/8" @ 408'	13-3/8" @ 405'	13-3/8" @ 408'	11-3/4" @ 318'	13-3/8" @ 400'
Top Upper Penn. Zone	8-1/2" @ 4200'	8-3/8" @ 4400'	9-5/8" @ 4200'	9-5/8" @ 4200'	9-5/8" @ 4200'	9-5/8" @ 4200'	9-5/8" @ 4200'	9-5/8" @ 4200'	8-3/8" @ 4200'	8-3/8" @ 4200'
Net Pay, Feet	5-1/2" @ 11,031'	5-1/2" @ 10,500'	7" @ 10,550'	7" @ 10,550'	5-1/2" @ 10,350'	5-1/2" @ 10,350'	5-1/2" @ 10,350'	5-1/2" @ 10,350'	5-1/2" @ 10,375'	5-1/2" @ 10,380'
Average Porosity, Percent	10,397 (-6242)	10,360 (-6218)	10,418 (-6264)	10,445 (-6294)	10,376 (-6216)	10,460 (-6316)	10,435 (-6285)	10,302 (-6361)	10,385 (-6221)	10,329 (-6231)
Calculated Permeability, Md.	12	7	9	6	8	8	8	8	12	4
Average Meter Saturation, %	34	25	28	39	25	25	25	25	28	7
Perforated Interval	10,403-08	10,363-78 (OA)	10,421-30	10,449-55	10,386-90	10,436-41	10,389-96	10,389-96	10,386-10,403	10,386-10,403
Treatment	A/1000 gals.	A/250 gals.	A/500 gals.	A/1000 gals.	A/500 gals.	A/500 gals.	A/500 gals.	A/500 gals.	A/250 gals.	A/750 gals.
Initial Potentials:										
(a) Oil Production, BOPD	357	458	424	184	474	764	466	764	396	356
(b) GOR, SCF/BBL	800	1100	943	1043	692	---	---	---	235	860
(c) Gravity Oil, API	43.3	44	43.2	43.2	44.3	---	---	---	46	44
(d) Water Cut, %	0	0	0	0	0	---	---	---	1.25	0
(e) Choke Size, Inches	2 1/4	2 1/4	3/4	3/4	3/4	---	---	---	Pump	Pump
(f) Tubing Press., PSIG	450	260	75	75	75	---	---	---	---	---

TDC/ls
6-2-69

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 2746

COLEMAN PETROLEUM ENGINEERING COMPANY
PHONE 608-1345 241 CHOCOLATE P. O. BOX 1934 HOBBBS, NEW MEXICO

SINCLAIR OIL CORPORATION (A.M.C.)
WELL: LEA 878 STATE, NO. 1 FIELD: CERCA-UPPER PENN

CHRONOLOGICAL PRESSURE & PRODUCTION DATA

DATE	STATUS OF WELL	TIME	ELAPSED TIME		PRODUCTION		SURFACE PRESSURE		BHP @ (-6231) PSIG
			HRS	MIN	BO/D	TRG	TRG	CSG 10375' PSIG	
1969	Flowing On 46/64"								
2-10	Choke Run Flowing								
	Gradient & On Bottom								
	With Sub	10:00 AM	-	-	31	B	Pkr	1624	
	Flowing	11:00 AM	1	00				1620	
		12:00 N	2	00				1607	
		1:00 PM	3	00				1601	
		2:00 PM	4	00				1598	
		3:00 PM	5	00				1595	
		4:00 PM	6	00				1592	
		5:00 PM	7	00				1590	
		6:00 PM	8	00				1587	
		7:00 PM	9	00				1590	
		8:00 PM	10	00				1592	
		9:00 PM	11	00				1592	
		10:00 PM	12	00				1595	
		11:00 PM	13	00				1595	
		12:00 AM	14	00				1601	
2-11		1:00 AM	15	00				1598	
		2:00 AM	16	00				1598	
		3:00 AM	17	00				1592	
		4:00 AM	18	00				1595	
		5:00 AM	19	00				1592	
		6:00 AM	20	00				1592	
		7:00 AM	21	00				1592	
		8:00 AM	22	00				1592	
		9:00 AM	23	00				1592	
		10:00 AM	24	00				1592	
		10:15 AM	0	15	207.5B			1621	
		10:30 AM	0	30				1624	
		11:00 AM	2	00				1630	
		1:00 PM	4	00				1633	
		2:00 PM	5	00				1638	
		3:00 PM	6	00				1641	
		4:00 PM	7	00				1644	
		5:00 PM	8	00				1647	
		6:00 PM	9	00				1650	
		7:00 PM	10	00				1651	
		8:00 PM	11	00				1652	
		9:00 PM	12	00				1654	
		10:00 PM	13	00				1655	
		11:00 PM	14	00				1658	
2-12		1:00 AM	15	00				1658	
		2:00 AM	16	00				1658	
		3:00 AM	17	00				1658	
		4:00 AM	18	00				1658	
		5:00 AM	19	00				1661	
		6:00 AM	20	00				1661	
		7:00 AM	21	00				1661	
		8:00 AM	22	00				1661	
		9:00 AM	23	00				1661	
		10:00 AM	24	00				1664	
		11:00 AM	25	00				1664	
		12:00 N	26	00				1664	
		1:00 PM	27	00				1664	

RECORDED
FEB 18 1969
CENTRAL FILE

DATE	STATUS OF WELL	TIME	ELAPSED TIME		PRODUCTION		SURFACE PRESSURE		BHP @ (-6231) PSIG
			HRS	MIN	BO/D	TRG	TRG	CSG 10375' PSIG	
2-12	Shut In	2:00 PM	28	00					1664
		3:00 PM	29	00					1664
		4:00 PM	30	00					1664
		5:00 PM	31	00					1664
		6:00 PM	32	00					1664
		7:00 PM	33	00					1664
		8:00 PM	34	00					1664
		9:00 PM	35	00					1664
		10:00 PM	36	00					1664
		11:00 PM	37	00					1667
2-13		12:00 AM	38	00					1667
		1:00 AM	39	00					1667
		2:00 AM	40	00					1667
		3:00 AM	41	00					1667
		4:00 AM	42	00					1667
		5:00 AM	43	00					1667
		6:00 AM	44	00					1667
		7:00 AM	45	00					1667
		8:00 AM	46	00					1667
		9:00 AM	47	00					1668
		10:00 AM	48	00					1669
		11:00 AM	49	00					1670
		12:00 N	50	00					1670
		1:00 PM	51	00					1670
		2:00 PM	52	00					1670
		3:00 PM	53	00					1670
		4:00 PM	54	00					1670
		5:00 PM	55	00					1670
		6:00 PM	56	00					1670
		7:00 PM	57	00					1670
		8:00 PM	58	00					1670
		9:00 PM	59	00					1670
		10:00 PM	60	00					1670
		11:00 PM	61	00					1670
		12:00 AM	62	00					1670
2-14		1:00 AM	63	00					1670
		2:00 AM	64	00					1670
		3:00 AM	65	00					1670
		4:00 AM	66	00					1670
		5:00 AM	67	00					1670
		6:00 AM	68	00					1670
		7:00 AM	69	00					1670
		8:00 AM	70	00					1670

PULLED BOMB & RUN STATIC GRADIENT
PI = 207.5B - 2.6613 BO/D/PSI DRAWDOWN
76
Pressure at 10,407(-6250) - 1680

