

X-2
6-4-69

COMPLETION DATA
CERCA (UPPER PENN) FIELD
LEA COUNTY, NEW MEXICO

Operator	Superior	Atlantic	Superior	Superior	So. Minerals	Superior	Atlantic	Midwest	K. K. Amini
Lease and Well Name	State "D" No. 1	Lea "878", State	State "K" No. 1	State "L" No. 1	State "9" No. 1	Elkan No. 1	Hondo St. BK #1	N.M. State"S" #1	Shell State #1
Completion Date	May 26, 1968	Sept. 16, 1968	Oct. 25, 1968	Oct. 31, 1968	Dec. 4, 1968	Dec. 10, 1968	Feb. 9, 1969	April 7, 1969	April 28, 1969
Total Depth	11,031'	10,500'	10,550'	10,550'	10,550'	10,515'	10,530'	10,575'	10,500'
Plug Back Depth	10,943'	10,395'	10,465'	10,494'	10,477'				10,475'
Casing	11-3/4" @ 400'	13-3/8" @ 408'	13-3/8" @ 404'	13-3/8" @ 409'	13-3/8" @ 430'	13-3/8" @ 408'	13-3/8" @ 408'	11-3/4" @ 318'	13-3/8" @ 400'
	8-5/8" @ 4500'	8-5/8" @ 4400'	9-5/8" @ 4500'	9-5/8" @ 4500'	9-5/8" @ 4500'	9-5/8" @ 4356'	9-5/8" @ 4491'	8-5/8" @ 4336'	8-5/8" @ 4276'
	5-1/2" @ 11,031'	5-1/2" @ 10,500'	7" @ 10,550'	7" @ 10,550'	5-1/2" @ 10,550'			5-1/2" @ 10,573'	5-1/2" @ 10,500'
Top Upper Penn. Zone	10,397 (-6242)	10,360 (-6218)	10,418 (-6264)	10,445 (-6294)	10,376 (-6216)	10,460 (-6316)	10,502 (-6361)	10,385 (-6221)	10,389 (-6231)
Net Pay, Feet	12	11	9	6	8	--	--	12	4
Average Porosity, Percent	9	7	7	7	8	No Porosity	No Porosity	8	?
Calculated Permeability, Md.	147			9					
Average Water Saturation, %	28	25	28	39	--	--	--	28	?
Perforated Interval	10,402-08	10,362-78 (OA)	10,421-30	10,449-55	10,384-90	--	--	10,389-96	10,396-10,403
Treatment	A/100 gals.	A/250 gals.	A/500 gals.	A/1000 gals.	A/500 gals.	--	--	A/250 gals.	A/750 gals.
				A/1000 gals.					
				A/2000 gals.					
				A/5000 gals.					
Initial Potential:									
(a) Oil Production, BOPD	557	458	424	184	474	P&A	P&A	396	356
(b) GOR, SCF/BBL.	820	1200	943	1043	692	---	---	775	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	23/64	24/64	3/4	3/4	3/4	---	---	Pump	Pump
(f) Tubing Press., PSIG.	450	260	75	75	75	---	---	---	---

TDC/js
6-2-69

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Application EXHIBIT NO. 2
CASE NO. 3796



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE EXPRESS 3-3813

611 GRIMES

P. O. BOX 1829

HOBBS, NEW MEXICO

SINCLAIR OIL CORPORATION (Atlantic)

WELL: LEA 878 STATE, NO.1

FIELD: CERCA-UPPER PENN

CHRONOLOGICAL PRESSURE & PRODUCTION DATA

DATE	STATUS OF WELL	TIME	ELAPSED TIME		PRODUCTION BO/D	SURFACE PRESSURE		BHP @ (-6231') CSG 10375' PSIG
			HRS	MIN		TBG		
1969	FLOWING ON 48/64"							
2-10	CHOKE RUN FLOWING							
	GRADIENT & ON BOTTOM WITH BOMB FLOWING	10:00 AM	-	-	-	31 NC	B Pkr	1624
	"	11:00	1	00	-	-	-	1620
	"	12:00 N	2	00	-	-	-	1607
	"	1:00 PM	3	00	-	-	-	1601
	"	2:00	4	00	-	-	-	1598
	"	3:00	5	00	-	-	-	1595
	"	4:00	6	00	-	-	-	1592
	"	5:00	7	00	-	-	-	1590
	"	6:00	8	00	-	-	-	1590
	"	7:00	9	00	-	-	-	1590
	"	8:00	10	00	-	-	-	1590
	"	9:00	11	00	-	-	-	1592
	"	10:00	12	00	-	-	-	1595
	"	11:00	13	00	-	-	-	1601
	"	12:00 MN	14	00	-	-	-	1601
2-11	"	1:00 AM	15	00	-	-	-	1598
	"	2:00	16	00	-	-	-	1598
	"	3:00	17	00	-	-	-	1598
	"	4:00	18	00	-	-	-	1595
	"	5:00	19	00	-	-	-	1592
	"	6:00	20	00	-	-	-	1592
	"	7:00	21	00	-	-	-	1592
	"	8:00	22	00	-	-	-	1592
	"	9:00	23	00	-	-	-	1592
	SHUT IN	10:00	24	00	207.58	-	-	1592
	"	10:15	0	15	-	-	-	1601
	"	10:30	0	30	-	-	-	1621
	"	11:00	1	00	-	-	-	1624
	"	12:00 N	2	00	-	-	-	1630
	"	1:00 PM	3	00	-	-	-	1635
	"	2:00	4	00	-	-	-	1638
	"	3:00	5	00	-	-	-	1641
	"	4:00	6	00	-	-	-	1644
	"	5:00	7	00	-	-	-	1647
	"	6:00	8	00	-	-	-	1650
	"	7:00	9	00	-	-	-	1651
	"	8:00	10	00	-	-	-	1652
	"	9:00	11	00	-	-	-	1654
	"	10:00	12	00	-	-	-	1655
	"	11:00	13	00	-	-	-	1658
	"	12:00 MN	14	00	-	-	-	1658
2-12	"	1:00 AM	15	00	-	-	-	1658
	"	2:00	16	00	-	-	-	1658
	"	3:00	17	00	-	-	-	1658
	"	4:00	18	00	-	-	-	1658
	"	5:00	19	00	-	-	-	1661
	"	6:00	20	00	-	-	-	1661
	"	7:00	21	00	-	-	-	1661
	"	8:00	22	00	-	-	-	1661
	"	9:00	23	00	-	-	-	1661
	"	10:00	24	00	-	-	-	1664
	"	11:00	25	00	-	-	-	1664
	"	12:00 N	26	00	-	-	-	1664
	"	1:00 PM	27	00	-	-	-	1664

RECEIVED

FEB 18 1969

CENTRAL FILE

DATE	STATUS OF WELL	TIME	ELAPSED TIME		PRODUCTION BO/D	SURFACE PRESSURE TBG	CSG	BHP @ (-6231') 10375' PSI
			HRS	MIN				
2-12	SHUT IN	2:00 PM	28	00	-	-	-	1664
	"	3:00	29	00	-	-	-	1664
	"	4:00	30	00	-	-	-	1664
	"	5:00	31	00	-	-	-	1664
	"	6:00	32	00	-	-	-	1664
	"	7:00	33	00	-	-	-	1664
	"	8:00	34	00	-	-	-	1664
	"	9:00	35	00	-	-	-	1664
	"	10:00	36	00	-	-	-	1664
	"	11:00	37	00	-	-	-	1664
	"	12:00 MN	38	00	-	-	-	1667
2-13	"	1:00 AM	39	00	-	-	-	1667
	"	2:00	40	00	-	-	-	1667
	"	3:00	41	00	-	-	-	1667
	"	4:00	42	00	-	-	-	1667
	"	5:00	43	00	-	-	-	1667
	"	6:00	44	00	-	-	-	1667
	"	7:00	45	00	-	-	-	1667
	"	8:00	46	00	-	-	-	1667
	"	9:00	47	00	-	-	-	1667
	"	10:00	48	00	-	-	-	1668
	"	11:00	49	00	-	-	-	1669
	"	12:00 N	50	00	-	-	-	1670
	"	1:00 PM	51	00	-	-	-	1670
	"	2:00	52	00	-	-	-	1670
	"	3:00	53	00	-	-	-	1670
	"	4:00	54	00	-	-	-	1670
	"	5:00	55	00	-	-	-	1670
	"	6:00	56	00	-	-	-	1670
	"	7:00	57	00	-	-	-	1670
	"	8:00	58	00	-	-	-	1670
	"	9:00	59	00	-	-	-	1670
	"	10:00	60	00	-	-	-	1670
	"	11:00	61	00	-	-	-	1670
	"	12:00 MN	62	00	-	-	-	1670
	"	1:00 AM	63	00	-	-	-	1670
2-14	"	2:00	64	00	-	-	-	1670
	"	3:00	65	00	-	-	-	1670
	"	4:00	66	00	-	-	-	1670
	"	5:00	67	00	-	-	-	1670
	"	6:00	68	00	-	-	-	1670
	"	7:00	69	00	-	-	-	1670
	PULLED BOMB & RUN STATIC GRADIENT	8:00	70	00	-	279 B	-	1670

$$PI = \frac{207.58}{78} = 2.6613 \text{ BO/D/PSI DRAWDOWN}$$

Pressure at 10,407(-6250) -1680