



NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

United States Smelting Refining and Mining Company  
(Company or Operator)

Federal 11-20-34  
(Lease)

Well No. 1, in SE  $\frac{1}{4}$  of NM  $\frac{1}{4}$  of Sec. 11, T. -20-S, R. -34-E, NMPM.  
Lea (Bone Springs) Pool, Lea County.  
Well is 1980 feet from North line and 2130 feet from West line  
of Section 11. If State Land the Oil and Gas Lease No. is - -  
Drilling Commenced November 4, 19 60. Drilling was Completed April 4, 19 61  
Name of Drilling Contractor Great Western Drilling Company  
Address Post Office Box 1659, Midland, Texas  
Elevation above sea level at Top of Tubing Head 3666' The information given is to be kept confidential until  
- - - - -, 19 - -

OIL SANDS OR ZONES

No. 1, from <u>8090</u> to <u>8170'</u>	No. 4, from <u>10180</u> to <u>10210</u>
No. 2, from <u>9465</u> to <u>9610</u>	No. 5, from <u>10370</u> to <u>10430</u>
No. 3, from <u>10010</u> to <u>10070</u>	No. 6, from <u>10730</u> to <u>10930</u>
	No. 7, from <u>13040</u> to <u>13130</u>

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>- -</u> to <u>- -</u> feet.
No. 2, from <u>- -</u> to <u>- -</u> feet.
No. 3, from <u>- -</u> to <u>- -</u> feet.
No. 4, from <u>- -</u> to <u>- -</u> feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
16	65#	New	723	- -	None	- -	Surface
10-3/4	51#	New	5293	Guide	None		Intermediate
7	29 & 32#	New	14360	Guide	None	10158-10166	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
24	16	723	1200	Pump & Plug		
13-3/4	10-3/4	5293	3420	Pump & Plug		
9-5/8	7	14360	1700	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Acidized perms 10158-10166' w/500 gallons Mud Acid. TP 2400-1700#. Injection Rate .4  
bbls. per minute.

Result of Production Stimulation Flowed 10 bbls. oil per hr. through 3/4" choke.

Depth Cleaned Out - - - - -

RECORD OF DRILL-STEM AND SPECIAL TS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 14619 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing April 19, 1961  
OIL WELL: The production during the first 24 hours was 205 barrels of liquid of which 100 % was oil; 0 % was emulsion; 0 % water; and 0 % was sediment. A.P.I. Gravity 42°  
GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.  
Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico				
T. Anhy.....	1610		T. Devonian.....	14478		T. Ojo Alamo.....	
T. Salt.....	1850		T. Silurian.....			T. Kirtland-Fruitland.....	
B. Salt.....	3260		T. Montoya.....			T. Farmington.....	
	3440		T. Simpson.....			T. Pictured Cliffs.....	
T. Yates.....			T. McKee.....			T. Menefee.....	
T. 7 Rivers.....			T. Ellenburger.....			T. Point Lookout.....	
T. Queen.....	3748		T. Gr. Wash.....			T. Mancos.....	
T. Grayburg.....			T. Granite.....			T. Dakota.....	
T. San Andres.....			T. ....			T. Morrison.....	
T. Glorieta.....			T. ....			T. Penn.....	
T. Drinkard.....			T. ....			T. ....	
T. Tubbs.....	4634		T. ....			T. ....	
T. <del>xxxx</del> Bone Springs.....	8202		T. ....			T. ....	
T. Penn.....	12060		T. ....			T. ....	
	13695		T. ....			T. ....	
T. Miss.....			T. ....			T. ....	
T. Woodford.....	14305						

FORMATION RECORD

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From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1610	1610	Sand and Shale	13040	13120	80	Sand & shale
1610	1850	240	Anhydrite	13120	13695	575	Shale w/sd & lime stringers
1850	3260	1410	Salt	13695	14305	610	Lime & chert
3260	3440	180	Anhydrite	14305	14478	173	Shale
3440	3750	310	Sand, shale, dolomite & anhy.	14478	14525	47	Lime
3750	3840	90	Sand, anhydrite, & Dolo.	14525	14619	94	Dolomite
3840	5750	1910	Dolomite w/sand stringers				
5750	6210	460	Sd w/dolo stringers				
6210	7110	900	Lime w/sd and shale stks.				
7110	8060	950	Sd w/shale & dolo streaks				
8060	8202	142	Lime w/sdy shale streaks				
8202	8700	498	Lime				
8700	9020	320	shale				
9020	9190	170	lime				
9190	9475	285	Shale, lime & chert				
9475	9610	135	Sand				
9610	9790	180	Dolomite				
9790	10670	880	Sand, shale, dolo & lime				
10670	10990	320	Sand				
10990	11260	270	Shale				
11260	11420	160	lime				
11420	12060	640	Shale w/lime stringers				
12060	13040	980	Lime w/shale & chert stringers				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

United States Smelting Refining and Mining Company  
Company or Operator  
Name  
Address  
Post Office Box 1877, Midland, Texas  
Position or Title  
Manager of Production  
April 19, 1961  
(Date)