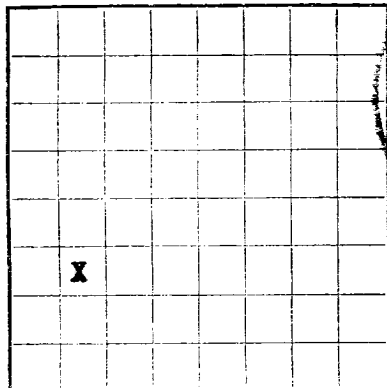
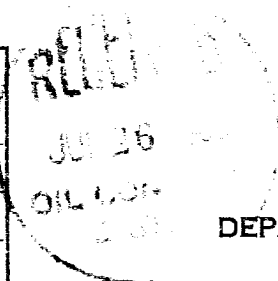




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077730
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Address Box 990, Farmington, New Mexico
Lessor or Tract Sunray Field Blanco M.V. & Aztec P.C. Ext. State New Mexico
Well No. 2-E(PM) Sec. 9 T. 30N R. 10 W Meridian N.M.P.M. County San Juan
Location 1650 ft. N. of S Line and 990 ft. E. of W Line of Sec. 9 Elevation 6405'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.
Original Signed J. W. Muehan
Signed _____

Date July 21, 1960Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling 12-13-57, 19____ Finished drilling 12-30-57, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from <u>2995</u>	to <u>3139 (G)</u>	No. 4, from <u>5233</u>	to <u>5363 (G)</u>
No. 2, from <u>4585</u>	to <u>4775 (G)</u>	No. 5, from _____	to _____
No. 3, from <u>4775</u>	to <u>5233 (G)</u>	No. 6, from _____	to _____

IMPORTANT WATER SANDS

No. 1, from _____	to _____	No. 3, from _____	to _____
No. 2, from _____	to _____	No. 4, from _____	to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4"	32.75	8 RA.	J-55	163	Hisco				surface
7 5/8"	26.40	8 RA.	J-55	319	Baker				prod casing
5 1/2"	15.50	8 RA.	J-55	226	Baker				prod liner
2 3/8"	4.7	8 RA.	J-55	5336					prod tubing
1 1/2"	2.4	10 RA.	Grade "A"	3025					prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	175	150	circulated		
7 5/8"	3206	150	single stage		
5 1/2"	3162-5426	300	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Guiberson "Short" Packer set @ 3216

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 175 feet to 3208 feet, and from 3208 feet to 5435 feet
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

5-29-60, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours P-2,428,000 M-1,811,000 Gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. P-962 M-572 A.O.F. P-2532 M-2537 MCF/D

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1646	1646	Tan to gry cr-grn ss interbedded w/gry sh.
1646	1751	105	Ojo Alamo ss. White cr-grn s.
1751	2665	914	Kirtland form gry sh interbedded w/tight gry fine-grn ss.
2665	2995	330	Fruitland form.grycarb sh, scattered coals, coals and gry, tight, fine-grn ss.
2995	3139	144	Pictured Cliffs forms gry, fine-grn, tight, varicolored soft ss.
3139	4585	1446	Lewis form.gry, fine-grn, dense sil ss.
4585	4775	190	Cliff House ss.gry, fine-grn, dense sil ss
4775	5233	458	Menefee form. gry, fine-grn s, carb sh & coal
5233	5363	130	Point Lookout form.gry, very fine sil ss w/ frequent sh breaks.
5363	5436	73	Mancos formation. gry carb sh.

[illegible]

FROM	TO	SUBJECT	REMARKS
		RECEIVED	
		DATE	DATE
		DATE	DATE

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

DATE	TIME	NAME	ADDRESS	CITY	STATE	ZIP	PHONE
10/10/77	10:00	JOHN J. HARRIS	1000 N. 10TH ST.	MINNEAPOLIS	MINN.	55401	612-338-1000

2996-3008; 3014-3020;
2011 JOHN
2011 JOHN

Frac Picked CHST 43,084 gal water & 35,000 # sand.
B.D.P. 1100 #, avg. tr. 1500 #, avg. tr. 600-750-
1000-1400 #. I.H. - 225 B.P.M. Flush 6740 gal. Frac
water contained 1% calcium chloride. Spotted 250 gal
N.G.A. - 20000 parts per 10000 parts of 10 balls.

7' 0" 3' ILOH	7' 0" 6' ILOH	7' 0" 9' ILOH
456-4613; 4624-4656;	Water (Spec. Cliff House w/40,400 gal. water 40,000 #	
7' 0" 5' ILOH 420	Spent (Spent 10,000 gal. I. R. 70 B.P.M. 210 1800 #	
7' 0" 1' ILOH 535	7-1600 & 1800 #, max. w-1800 #. Used 2 sets of	
	20 balls.	

5232-5246; 5286-5304; **ONE OK 75, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000, 10100, 10200, 10300, 10400, 10500, 10600, 10700, 10800, 10900, 11000, 11100, 11200, 11300, 11400, 11500, 11600, 11700, 11800, 11900, 12000, 12100, 12200, 12300, 12400, 12500, 12600, 12700, 12800, 12900, 13000, 13100, 13200, 13300, 13400, 13500, 13600, 13700, 13800, 13900, 14000, 14100, 14200, 14300, 14400, 14500, 14600, 14700, 14800, 14900, 15000, 15100, 15200, 15300, 15400, 15500, 15600, 15700, 15800, 15900, 16000, 16100, 16200, 16300, 16400, 16500, 16600, 16700, 16800, 16900, 17000, 17100, 17200, 17300, 17400, 17500, 17600, 17700, 17800, 17900, 18000, 18100, 18200, 18300, 18400, 18500, 18600, 18700, 18800, 18900, 19000, 19100, 19200, 19300, 19400, 19500, 19600, 19700, 19800, 19900, 20000, 20100, 20200, 20300, 20400, 20500, 20600, 20700, 20800, 20900, 21000, 21100, 21200, 21300, 21400, 21500, 21600, 21700, 21800, 21900, 22000, 22100, 22200, 22300, 22400, 22500, 22600, 22700, 22800, 22900, 23000, 23100, 23200, 23300, 23400, 23500, 23600, 23700, 23800, 23900, 24000, 24100, 24200, 24300, 24400, 24500, 24600, 24700, 24800, 24900, 25000, 25100, 25200, 25300, 25400, 25500, 25600, 25700, 25800, 25900, 26000, 26100, 26200, 26300, 26400, 26500, 26600, 26700, 26800, 26900, 27000, 27100, 27200, 27300, 27400, 27500, 27600, 27700, 27800, 27900, 28000, 28100, 28200, 28300, 28400, 28500, 28600, 28700, 28800, 28900, 29000, 29100, 29200, 29300, 29400, 29500, 29600, 29700, 29800, 29900, 30000, 30100, 30200, 30300, 30400, 30500, 30600, 30700, 30800, 30900, 31000, 31100, 31200, 31300, 31400, 31500, 31600, 31700, 31800, 31900, 32000, 32100, 32200, 32300, 32400, 32500, 32600, 32700, 32800, 32900, 33000, 33100, 33200, 33300, 33400, 33500, 33600, 33700, 33800, 33900, 34000, 34100, 34200, 34300, 34400, 34500, 34600, 34700, 34800, 34900, 35000, 35100, 35200, 35300, 35400, 35500, 35600, 35700, 35800, 35900, 36000, 36100, 36200, 36300, 36400, 36500, 36600, 36700, 36800, 36900, 37000, 37100, 37200, 37300, 37400, 37500, 37600, 37700, 37800, 37900, 38000, 38100, 38200, 38300, 38400, 38500, 38600, 38700, 38800, 38900, 39000, 39100, 39200, 39300, 39400, 39500, 39600, 39700, 39800, 39900, 40000, 40100, 40200, 40300, 40400, 40500, 40600, 40700, 40800, 40900, 41000, 41100, 41200, 41300, 41400, 41500, 41600, 41700, 41800, 41900, 42000, 42100, 42200, 42300, 42400, 42500, 42600, 42700, 42800, 42900, 43000, 43100, 43200, 43300, 43400, 43500, 43600, 43700, 43800, 43900, 44000, 44100, 44200, 44300, 44400, 44500, 44600, 44700, 44800, 44900, 45000, 45100, 45200, 45300, 45400, 45500, 45600, 45700, 45800, 45900, 46000, 46100, 46200, 46300, 46400, 46500, 46600, 46700, 46800, 46900, 47000, 47100, 47200, 47300, 47400, 47500, 47600, 47700, 47800, 47900, 48000, 48100, 48200, 48300, 48400, 48500, 48600, 48700, 48800, 48900, 49000, 49100, 49200, 49300, 49400, 49500, 49600, 49700, 49800, 49900, 50000, 50100, 50200, 50300, 50400, 50500, 50600, 50700, 50800, 50900, 51000, 51100, 51200, 51300, 51400, 51500, 51600, 51700, 51800, 51900, 52000, 52100, 52200, 52300, 52400, 52500, 52600, 52700, 52800, 52900, 53000, 53100, 53200, 53300, 53400, 53500, 53600, 53700, 53800, 53900, 54000, 54100, 54200, 54300, 54400, 54500, 54600, 54700, 54800, 54900, 55000, 55100, 55200, 55300, 55400, 55500, 55600, 55700, 55800, 55900, 56000, 56100, 56200, 56300, 56400, 56500, 56600, 56700, 56800, 56900, 57000, 57100, 57200, 57300, 57400, 57500, 57600, 57700, 57800, 57900, 58000, 58100, 58200, 58300, 58400, 58500, 58600, 58700, 58800, 58900, 59000, 59100, 59200, 59300, 59400, 59500, 59600,**

Директор завода _____

Секретарь завода _____

Одобрено директором завода _____

Секретарь завода _____

[illegible][illegible]

LOG OF OIL OR GAS WELL

GEOTOGICUS & LIAISON

2025 RELEASE UNDER E.O. 14176

RECEIVED
SEP 26 1960
OFFICE OF THE
ATTORNEY GENERAL
WASHINGTON, D.C.

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