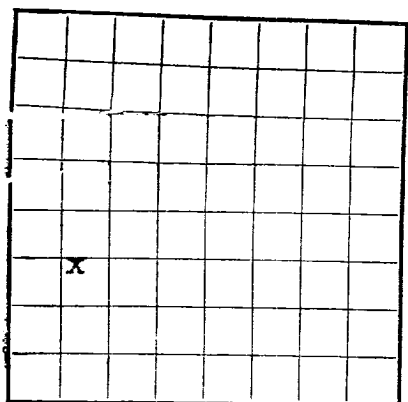


Jicarilla
U. S. LAND OFFICE
Lease No. 64
SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Jicarilla
RECEIVEDUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JAN 23 1959

GEOLOGICAL SURVEY
NEW MEXICO

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **EL PASO NATURAL GAS COMPANY** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Jicarilla** Field **S. Blanco PC Ext** State **New Mexico**
Well No. **11-E** Sec. **19** T. **25N** R. **4W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1850** ft. [N] of [Line] and [E] of [Line] of [Sec] [T] [R] Elevation **6953**
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.

Signed **E. S. C. Kerley**
Date **January 23, 1959** Division **Petroleum Engineer**
The summary on this page is for the condition of the well at above date.
Commenced drilling **November 1958** Finished drilling **December 11, 1958**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3164** to **3192 (G)** No. 4, from **3164** to **3192**
No. 2, from **3192** to **3264** No. 5, from **3192** to **3264**
No. 3, from **3264** to **3264** No. 6, from **3264** to **3264**

IMPORTANT WATER SANDS

No. 1, from **3164** to **3192** No. 3, from **3192** to **3264**
No. 2, from **3192** to **3264** No. 4, from **3192** to **3264**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amaluf	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	24#	8	J-55	88	-	-	-	-	Surface
5-1/2"	19.5#	8	J-55	88	-	-	-	-	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	97	70	Pump & Plug		
5-1/2"	3264	150	" " "		

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length _____ Depth set _____
Adapters—Material **None** Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from **Surface** feet to **3264** feet, and from _____ feet to _____ feet
Cable tools were used from **to complete** feet to _____ feet, and from _____ feet to _____ feet

Ran Tubing
December 21st, 19 **58**

DATES

Potential Test
Put to producing **January 9th**, 19 **59**

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

If gas well, cu. ft. per 24 hours **5,523,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **966** Open 3 hours through 3/4" choke on _____

Benson-Montin-Greer _____, Driller
Drilling Corp. _____, Driller

EMPLOYEES

AOF 5,523 MCF/day. _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	3084	3084	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
3084	3094	10	Coal
3094	3112	18	Shale
3112	3114	2	Coal
3114	3124	10	Shale
3124	3126	2	Coal
3126	3140	14	Shale
3140	3142	2	Coal
3142	3146	4	Shale
3146	3148	2	Coal
3148	3162	14	Shale
3162	3164	2	Coal
3164	3192	28	Sand
3192	3264	72	Shale

TOP OF PICTURED CLIFFS (EL) 3164'

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A 10x10 grid with a small 'X' mark in the 8th column and 7th row.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of recdrilling, 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. Any logs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

INDUSTRY AND CEMENTING RECORD

beam bundle to ImpropA	quality beam	beam bundle B	beam bundle to define the beam	beam bundle	beam bundle
		beam 2 beam	or	beam	beam
			or	beam	beam

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

Size	Spill used	Exposure used	Quantity	Date	Depth: spot	Depth: cleaned out

TOOLS USED

Notary tools were used from 1913 to 1914	least to	most and from	least to
Notary tools were used from 1914 to 1915	least to	most and from	least to

DATE

December 21st	19 21	Put no program
December 22nd	19 21	Put no program
December 23rd	19 21	Put no program
December 24th	19 21	Put no program
December 25th	19 21	Put no program
December 26th	19 21	Put no program
December 27th	19 21	Put no program
December 28th	19 21	Put no program
December 29th	19 21	Put no program
December 30th	19 21	Put no program

[illegible]

Rock pressure, lbs. per sq. in.	
If gas well, cut lb. per 24 hours	
Gallons gasoline per 1,000 cu. ft. of gas	

EMPLOYEES

[illegible]

FORMATION RECORD

FORMATION	TOTAL FEET	TO -	FROM -
10000	10000	10000	10000
9000	9000	9000	9000
8000	8000	8000	8000
7000	7000	7000	7000
6000	6000	6000	6000
5000	5000	5000	5000
4000	4000	4000	4000
3000	3000	3000	3000
2000	2000	2000	2000
1000	1000	1000	1000
0000	0000	0000	0000

10-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1