



*Oil Conservation Lease  
State of New Mexico*

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Las Alamos**  
Lease No. **9152**  
Unit **1557**  
**JUL 1-1949**  
OIL CONSERVATION COMMISSION  
NEW MEXICO

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Artesia, New Mex. June 23, 1949

M. E. Baish A

Well No. 21 is located 1395 ft. from ███ [S] line and 1347 ft. from ███ [W] line of sec. 21

NE 1/4 SW 1/4 Sec. 21  
(1/4 Sec. and Sec. No.)

17S  
(Twp.)

32E  
(Range)

NMPM  
(Meridian)

Maljamar  
(Field)

Lea  
(County or Subdivision)

New Mexico  
(State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

DETAILS OF WORK

(State name of any sands and depths to objective sands; show sizes, weights, and thickness of proposed casing; give location of or logs; show important points; other important geological work)

The drilling of this unorthodox location has been approved by the State of New Mexico as Case #185, Order #821. It was necessary to move the location 50' North of original location in order to be far enough from a tank battery. Authority for changing location 50' was obtained from Mr. R. R. Spurrier by phone on June 23, 1949. This well will be located on the same 40 acre proration unit as Baish A-15. Baish A-15 was completed with difficulty and now produces only 10 barrels of oil per day. After the completion of Baish A-21, we propose to cease producing Baish A-15 from the Maljamar pool, and the well will either be shut-in or recompleted as a Yates Sand producer in the Baish Pool.

We will drill this well with cable tools and set a conductor string of approximately 60' of 10-3/4" OD casing and cement it back into the collar. We will then drill a 10-inch hole into the Rustler anhydrite at an estimated depth of 800 ft. If water should be encountered above this depth, 8-5/8" OD casing will be run and mudded at this point and then pulled after the 7" casing has been run. An 8-inch hole will then be drilled to within 50 ft. of the expected top of the 6th zone, at an estimated depth of 3765'. At this point 7" OD 20# seamless steel casing will be run and cemented with 250 sacks of cement, preceded with sufficient mud to fill the hole above the top of the cement back to the surface. We will then drill to a depth sufficient to penetrate the 9th zone. Estimated total depth will be 4100 ft.

Company Buffalo Oil Co

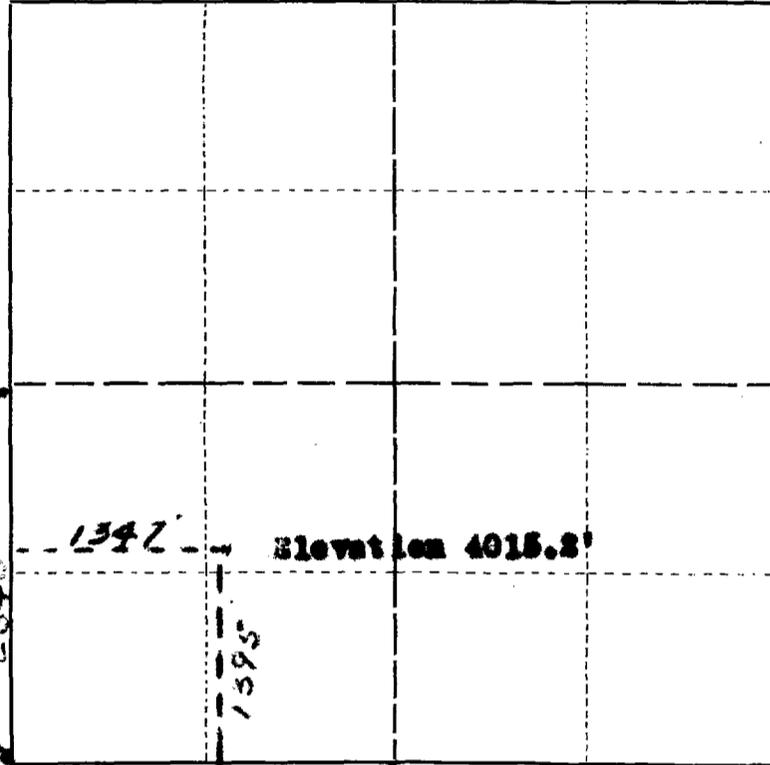
Lease Baish Well No. A-21

Sec. 21 T. 17 S., R. 52 E., N.M.P.M.

Location 75' N & 25' E. of SW Corner of NW 1/4-21

County Los New Mexico

**Chained Distances**



1/2 220-221

T173-132E  
220 221  
222 223  
1915

N

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

*W. K. Dotts*

Seal:  
Artesia, New Mexico

Registered Professional  
Engineer and Land Surveyor.

Surveyed June 15, 1940

COPY

# BUFFALO OIL COMPANY

A MARYLAND CORPORATION  
GULF STATES BUILDING

DALLAS, TEXAS

June 24, 1949

## STIPULATION

To the UNITED STATES DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY  
Artesia, New Mexico

In consideration of the privilege of drilling Well No. 21 on the Baish A lease, L.C. No. 029509-A at a point 1395 ft. from the South line, and 1347 ft. from the West line of Section 21, Township 17 South, Range 32 East, Lea County, New Mexico, Buffalo Oil Company hereby stipulates and agrees that the Southwest Quarter of said Section 21 will not be segregated or divided by assignment until said Well No. 21 is abandoned and plugged in accordance with operating regulations.

Yours very truly,

BUFFALO OIL COMPANY

By *Ernest Jacobson V. Ariz*

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF A HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF THE STATE OF NEW  
MEXICO FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 158  
Order No. 793

THE APPLICATION OF BUFFALO OIL  
COMPANY FOR ORDER GRANTING PER-  
MISSION TO DRILL UNORTHODOX LOCATION  
DESIGNATED AS WELL NO. 20-A ON THE  
PORTION OF ITS BAISH "A" LEASE, DES-  
CRIBED AS ALL OF SECTION 21, EXCEPT  
S $\frac{1}{2}$ SE $\frac{1}{4}$ . TWP. 17 SOUTH, RANGE 32 EAST,  
N.M.P.M. IN THE MALJAMAR POOL OF LEA  
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This matter came on regularly for hearing at 10:00 o'clock a.m., on September 30, 1948, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 4th day of October, 1948, the Commission having before it the testimony adduced at the hearing of said cause and being fully advised in the premises,

FINDS:

1. That due public notice having been given in compliance with law, the Commission has jurisdiction of the case and the subject matter thereof;
2. That the petitioner is the owner of a Federal oil and gas lease designated as Las Cruces Lease No. 029509 (a) covering N $\frac{1}{2}$ , SW $\frac{1}{4}$ , and N $\frac{1}{2}$ SE $\frac{1}{4}$ , Section 21, and W $\frac{1}{2}$ NW $\frac{1}{4}$ , Section 22 in Township 17 South, Range 32 East, N.M.P.M. in the Maljamar Pool, Lea County, New Mexico, upon which numerous oil wells have been drilled;
3. That the acreage included in said lease is within the area covered by the Maljamar Repressuring Agreement, and Well No. 8-A on said lease was originally completed as an oil well, thereafter converted from a producing to a gas injection or "input" well; and the applicant may not allocate its potential to other wells on the lease;
4. That an additional well drilled upon the same 40-acre unit as Well No. 8-A, would, in the case of production, in part recompense The Buffalo Oil Company for loss in converting the No. 8-A well from a producer to a gas injection well.
5. That the Federal Supervisor of Oil and Gas Operations is agreeable to the application.

IT IS THEREFORE ORDERED:

1. That the application of Buffalo Oil Company for an order authorizing an unorthodox well location, to be known as Baish Well No. 20-A and located 25 feet north and 25 feet west of the southeast corner of the SW $\frac{1}{4}$ NW $\frac{1}{4}$  of Section 21 in Township 17

South, Range 32 East, N.M.P.M., be and the same hereby is approved;

2. That should production be had in said Baish Well No. 20-A, the same shall not be produced, by itself or in conjunction with any other production on the same 40-acre unit, in excess of the allowable now, or which hereafter may be fixed by the Commission for a unit in the Maljamar Pool;

3. That Baish Well No. 8-A shall be and remain an "input" well.

IT IS FURTHER ORDERED that the applicant shall file \_\_\_\_\_ authentic copies of Federal location notices for the herein authorized unorthodox well with the Commission, after approval thereof by the Federal Supervisor of Oil and Gas Operations.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

OIL CONSERVATION COMMISSION

CHAIRMAN

MEMBER

SECRETARY

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF THE STATE OF NEW  
MEXICO FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 115  
Order No. 736

IN THE MATTER OF THE APPLICATION OF  
KEWANEE OIL COMPANY FOR PERMISSION  
TO CONVERT TO A PRODUCER FOR THE  
PRODUCTION OF OIL AND GAS ITS BAISH  
"B" I.P. WELL NO. 30, LOCATED 2,600  
FEET FROM THE NORTH LINE AND 25 FEET  
FROM THE WEST LINE (SW CORNER SW $\frac{1}{4}$ NW $\frac{1}{4}$ )  
SECTION 27, TOWNSHIP 17 SOUTH, RANGE  
32 EAST, N.M.P.M. IN THE MALJAMAR POOL,  
LEA COUNTY, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION

This matter came on regularly for hearing at 10:00 o'clock A.M., on November 25, 1947, at Santa Fe, New Mexico before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on the 25th day of November, 1947, the Commission having before it for consideration the testimony adduced at the hearing of said cause and being fully advised in the premises:

FINDS:

1. That due public notice having been given, the Commission has jurisdiction of the case and the subject matter thereof;

2. That petitioner is the owner of an oil and gas lease of United States Government leased land designated as Las Cruces Lease 057210 and which lease includes the SW $\frac{1}{4}$ NW $\frac{1}{4}$  of Section 27, Township 17 South, Range 32 East, N.M.P.M., Lea County, New Mexico;

3. That petitioner's present wells located on said tract are the Baish No. 9 I.P. located in the center of the said above described 40-acre unit and is a gas injection well used for injection purposes under the Maljamar Cooperative Repressuring Agreement and that is Baish "B" I.P. Well No. 30 located in the southwest corner of the said 40-acre unit was completed January 30, 1947, under the Maljamar Cooperative Repressuring Agreement program for the purpose of using said well as a gas injection well;

4. That from the evidence before the Commission it has been established that the said Baish "B" I.P. well No. 30 would be of greater value as a producing well than if it were used for gas injection service; that the conversion of this well to a producer would increase the ultimate recovery from the above described 40-acre lease unit; and that the continuation of Baish "B" No. 9 I.P. as an input well would insure maximum benefit to the gas injection program of the Maljamar

Cooperative Repressuring Agreement;

5. That under the terms of the Maljamar Cooperative Repressuring Agreement operators of leases upon tracts of land upon which are located gas injection wells are entitled in addition thereto to a compensating well for the production of oil and gas;

6. That no other lease operators are effected by the unorthodox well location of the well under consideration as petitioner is the owner of all 40-acre units adjoining and surrounding the above described tract of land;

IT IS THEREFORE ORDERED that Kewanee Oil Company, petitioner herein, be granted permission to convert to a producer for the production of oil and gas its Baish "B" I.P. Well No. 30 located 2600 feet from the north line and 25 feet from the west line (SW corner SW $\frac{1}{4}$ NW $\frac{1}{4}$ ) Section 27, Township 17 South, Range 32 East, N.M.P.M., Maljamar Pool, Lea County, New Mexico.

IT IS THE FURTHER ORDER OF THE COMMISSION that the production from said well shall not exceed the unit allowable now or which hereafter may be fixed by the Commission for the Maljamar Pool.

DONE at Santa Fe, New Mexico on the day and year hereinbefore designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

/s/ Thomas J. Mabry, Chairman  
/s/ John E. Miles, Member  
/s/ R. R. Spurrier, Secretary

DC ORDERS - CONT'D.

DC 294 AMERADA PETROLEUM CORP., State J #3 Sec. 2-20-36

DC 295 \*

DC 296 TENNESSEE GAS TRANSMISSION CO., Bay #2 Sec. 35-20-36

DC 297 SINCLAIR OIL & GAS CO., State "396" #2 Sec. 35-15-36

DC 298 SINCLAIR OIL & GAS CO., State "396" #3 Sec. 35-15-36

DC 299 THE OHIO OIL CO., Lou Worthan #11 Sec. 11-22-37

DC 300 GULF OIL CORP., W. A. Ramsay "A" #14 Sec. 34-21-37

DC 301 \*

DC 302 GETTY OIL CO., D. C. Hardy #5 Sec. 20-21-37

DC 303 GULF OIL CORP., J. H. Day #1 Sec. 6-22-36

DC 304 GULF OIL CORP., F. W. Kutter "B" #4 Sec. 28-19-37

DC 305 GULF OIL CORP., W. A. Ramsay #17 Sec. 27-21-36

DC 306 AMERADA PET. CORP., Cagle "C" #1 Sec. 3-26-37

DC 307 SINCLAIR OIL & GAS CO., J. R. Cone "A" #1 Sec. 26-21-37

DC 308 SINCLAIR OIL & GAS CO., J. R. Cone "A" #2 Sec. 26-21-37

DC 309 SKELLY OIL CO., S. E. Toby #1 Sec. 7-24-37

DC 310 \*

DC 311 CONTINENTAL OIL CO., Sanderson "A-14" #7 Sec. 14-20-36

DC 312 CONTINENTAL OIL CO., Reed A-3 #3 Sec. 3-20-36

DC 313 CONTINENTAL OIL CO., Lockhart B-11 #3 Sec. 11-21-37

DC 314 CONTINENTAL OIL CO., Lockhart B-11 #2-D Sec. 11-21-37

DC 315 CONTINENTAL OIL CO., Vaughn "A-12" #1 Sec. 12-24-36

DC 316 THE OHIO OIL CO., A. C. Dean "A" #1 Sec. 35-15-36 Oil-Oil

DC 317 CONTINENTAL OIL CO., Meyer B-17 # 1 Sec. 17-21-36

DC 318 GULF OIL CORP., Alice Paddock #3 Sec. 1-22-37

DC 319 GULF OIL CORP., Harry Leonard "J" #1 Sec. 24-21-36

DC 320 SKELLY OIL CO., E. T. Johns #1 Sec. 21-24-37

DC 321 CONTINENTAL OIL CO., Meyer B-9 #2 Sec. 9-21-36

DC 322 \*

DC ORDERS - CONT'D.

DC 323 \*

DC 324 \*

DC 325 \*

DC 326 SKELLY OIL CO., Baker "B" #2 Sec. 10-22-37

DC 327 CITIES SERVICE OIL CO., Brunson "B" #3 Sec. 3-22-37

\* NOT ON FILE AT OCC OR ENGINEERING COMMITTEE IN HOBBS

NEW MEXICO OIL & GAS ENGINEERING COMMITTEE  
August 15, 1956  
HOBBS, NEW MEXICO

- NSP 212 TIDEWATER OIL COMPANY, State "I" #3 SE/4 SW/4 Sec. 16-20-37, 160 acre.
- NSP 213 GULF OIL CORP., Graham State "C" #8 NW/4 SE/4 Sec. 25-19-36, 320 acre.
- NSP 214 AZTEC OIL & GAS COMPANY, State "E-20A" #1 NE/4 NE/4 Sec. 20-20-36, 160 acre.
- NSP 215 AZTEC OIL & GAS CO., State "E-20" #1 SE/4 SW/4 Sec. 20-20-36, 160 acre.
- NSP 216 SOUTHERN CALIF. PET. CORP., Van Zandt #4 SW/4 NE/4 Sec. 25-24-36, 40 acre.
- NSP 217 SINCLAIR OIL & GAS CO., State Lea "407" #2 , Sec. 2-21-35, 117.71 acre.
- NSP 218 WESTERN NATURAL GAS CO., Wells #1 SW/4 NE/4 Sec. 6-25-37, 160 acre.
- NSP 219 EL PASO NATURAL GAS CO., Shell St. #12, SW/4 SE/4 Sec. 36-20-36, 160 acre.
- NSP 220 GULF OIL CORP., A. Ramsey State "D" #3 NE/4 NW/4 Sec. 33-21-36, 480 acre.
- NSP 221 GULF OIL CORP., H. T. Orcutt "C" #8 , Sec. 6-21-36, 304.83 acre.
- NSP 221 A GULF OIL CORP., H. T. Orcutt C #8 Sec. 6-21-36, 236 A. till Comm. then 305
- NSP 222 GULF OIL CORP., J. R. Holt "A" #2 SE/4 SW/4 Sec. 16-24-37, 280 acre. A.
- NSP 223 SCHERMERHORN OIL CORP., Whitten #1 NW/4 SW/4 Sec. 33-23-36, 160 acre.
- NSP 224 CITIES SERVICE OIL CO., State "E" #5 SE/4 SW/4 Sec. 30-19-37, 157 acre.
- NSP 225 THREE STATES NATURAL GAS CO., Francis Stuart #1 SW/4 SW/4 Sec. 10-25-37, 40 acre.
- NSP 226 GULF OIL CORP., E. Shipp "B" #2 SW/4 NW/4 Sec. 8-19-37, 320 acre.
- NSP 227 GULF OIL CORP., White "B" #5 S/2 S/2 Sec. 35-20-36, 160 acre.
- NSP 228 AMERADA PET. CORP., Sarah Phillips #2 E/2 SW/4 Sec. 33-19-37, 80 acres.
- NSP 229 TIDEWATER OIL CO., J. H. Day #1 Sec. 6-22-36, 40 acres Lot 3.
- NSP 230 AMERADA PET. CORP., J. R. Phillips #8, E/2 Sec. 1-20-36, 320 acres.
- NSP 231 THE OHIO OIL CO., State D #1, W/2 E/2 Sec. 28-19-37, 160 acres.
- NSP 232 GULF OIL CORP., F. W. Kutter "E" #1 S/2 & S/2 N/2 Sec. 9-19-37, 480 acres.
- NSP 233 HUMBLE OIL & RFG. CO., NM State G #4, N/2 Sec. 26-21-36, 320 acres.
- NSP 234 HUMBLE OIL & RFG. CO., State M #4, N/2 Sec. 19-22-37, 314 acres.
- NSP 235 AMERADA PET. CORP., State "PA" #1, E/2 SW/4 Sec. 18-22-37, 80 acres.
- NSP 236 CITIES SERVICE OIL CO., Felton #1 Sec. 28-21-36, S/2 NE/4 & E/2 NW/4 160 A.
- NSP 237 TIDEWATER OIL CO., State AC #1, NW/4 Sec. 5-19-37, 166 acres.
- NSP 238 SUN OIL CO., Weatherly #1, W/2 NE/4, NW/4 SE/4, NE/4 SW/4 Sec. 17-21-37 160 acres.
- NSP 239 EL PASO NAT. GAS Carlson Fed. #2, SW/4 Sec. 23-25-37, 160 acres.

NON-STANDARD PROPORTION UNITS - CONT'D.

- NSP 184 SHELL OIL CO., State "F" #1 NE/4 SE/4 Sec. 29-19-37, 160 acre.
- NSP 185 GULF OIL CORP., R. R. Bell #2 NE/4 SW/4 Sec. 36-20-36, 320 acre.
- NSP 186 SUPERIOR OIL CO., St. #1-175 NE/4 SE/4 Sec. 11-21-35, 160 acre.
- NSP 187 STANOLIND OIL & GAS CO., State "I" #2 NE/4 NW/4 Sec. 22-21-36, 80 acre.
- NSP 188 AMERADA PET. CORP., Falby #3 NE/4 NW/4 Sec. 19-24-37, 40 acre.
- NSP 189 J. DON HUDGENS, Sims-State #1 NW/4 NE/4 Sec. 29-20-36, 160 acre.
- NSP 190 J. HIRAM MOORE Pech-St. #1 Sec. 32-21-36, 160 acre, application with-  
drawn - oil well.
- NSP 191 CONTINENTAL OIL CO., Sophie Meyer "A-26" #1 SE/4 NE/4 Sec. 26-20-37,  
280 acre.
- NSP 192 THE TEXAS CO., V. M. Henderson #4 NE/4 NW/4 Sec. 30-21-37, 314 acre.
- NSP 193 GULF OIL CORP., O. I. Boyd #3, E/2 SW/4 Sec. 23-22-37, 120 acre.
- NSP 194 THE OHIO OIL CO., State Hansen #4, SE/4 NE/4 Sec. 16-20-37, 160 acre.
- NSP 195 GACKLE OIL COMPANY, W. H. Combest #1, NE/4 SE/4 Sec. 27-23-36, 320 acre.
- NSP 196 GULF OIL CORP., Manda "C" #1 NW/4 NE/4 Sec. 35-23-36, 40 acre.
- NSP 197 CONTINENTAL OIL CO., Lockhart "A-35" #3 NE/4 NW/4 Sec. 35-21-37, 120 acre.
- NSP 198 CONTINENTAL OIL CO., Nolan #2, SE/4 SW/4 Sec. 11-21-37, 120 acre.
- NSP 199 CONTINENTAL OIL CO. Lockhart "A-35" #1 NW/4 NW/4 Sec. 35-21-37, 120 acre.
- NSP 200 CONTINENTAL OIL CO., Wells "A-1" #2 SW/4 NW/4 Sec. 1-25-36, 120 acre.
- NSP 201 GULF OIL CORPORATION J. F. Janda "D" #1 NW/4 SW/4 Sec. 2-21-36, 240 acre.
- NSP 202 CONTINENTAL OIL CO., Hawk "B-3" #3 NW/4 SE/4 Sec. 3-21-37, 160 acre.
- NSP 203 GENERAL CRUDE OIL CO., State "G" #1 NW/4 NW/4 Sec. 16-20-37, 40 acre.
- NSP 204 MAPENZA OIL CO., Phillips Hooper #1 SW/4 SE/4 Sec. 27-20-37, 160 acre.
- NSP 205 HUMBLE OIL & RFG. CO., G. B. Hadfield #1 NW/4 SE/4 Sec. 21-25-37, 40 acre.
- NSP 206 GULF OIL CORP., F. W. Kutter #3 NW/4 SE/4 Sec. 20-19-37, 160 acre.
- NSP 207 STANOLIND OIL & GAS CO., State "I" #2 NE/4 NW/4 Sec. 22-21-36, 120 acre.
- NSP 208 ATLANTIC RFG. CO., Seale Fed. #2, Sec. 34-20-36, 160 acre, SW/4.
- NSP 209 GULF OIL CORP., Graham St. "C" #1 NW/4 SE/4 Sec. 24-19-36, 160 acre.
- NSP 210 GULF OIL CORP., Arnott-Ramsey "B" Well #2, SE/4 NE/4 Sec. 32-25-37, 320 A.
- NSP 211 WESTERN NATURAL GAS CO., Toby #1, SE/4 SE/4 Sec. 12-24-36, 160 acre.

Case 185

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Box 997  
Roswell, New Mexico  
September 10, 1948

Case 7

Mr. W. E. Scott  
Buffalo Oil Company  
Artesia, New Mexico

Lease Las Cruces 029509(a)

Dear Mr. Scott:

Reference is made to an application executed by you on August 31, 1948, which has been filed with the Oil Conservation Commission of New Mexico, for permission to drill an unorthodox well location in sec. 21, T. 17 S., R. 32 E., Maljamar pool, Lea County, New Mexico.

The land involved in the application is embraced in Federal oil and gas lease Las Cruces 029509(a), now operated by Buffalo Oil Company.

The unorthodox well location set forth in the application is 25 feet north and 25 feet west of the southeast corner SW $\frac{1}{4}$ NW $\frac{1}{4}$  section 21. The well will be drilled to the Maljamar pay zone to produce oil and gas from said zone. No encroachment of the outer boundaries of the leasehold is involved as the proposed location is more than 330 feet from the lease boundaries. The well location is on the same 40-acre legal subdivision as well No. 8-A, originally completed as a producing oil well but now used as a gas injection well under the Maljamar Cooperative Repressuring Agreement. The application requests permission to produce from the proposed well No. 20-A a daily allowable for the 40-acre proration unit upon which said well is located, in accordance with the Allocation of Production Plan in effect and applicable to leases within the Maljamar Cooperative Repressuring Agreement.

No objection is offered by this office to the drilling of well No. 20-A at the unorthodox location specified in the application. It is the opinion of this office that the drilling of the additional well should be encouraged to afford opportunity for increased ultimate recovery of oil and gas from the Maljamar pay zone.

Approval to drill the additional well at the unorthodox location will be contingent upon approval of such location by the Oil Conservation Commission of the State of New Mexico for proration purposes.

Very truly yours,

*Foster Morrell*

Foster Morrell,  
Supervisor, Oil and Gas Operations.

cc: Mr. Scott

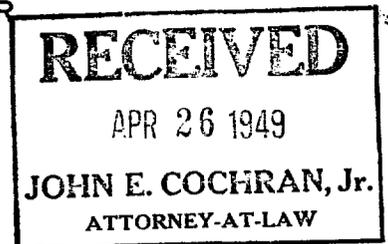
Buffalo Exhibit 1

bu 1



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P.O. Box 997  
Roswell, New Mexico  
April 25, 1949



Mr. John E. Cochran, Jr.  
Carper Building  
Artesia, New Mexico

Re: Lease Las Cruces 029509(a)

Dear Mr. Cochran:

Reference is made to your letter of April 19 transmitting a copy of an application executed by you as attorney for applicant, Buffalo Oil Company, which you are filing with the New Mexico Oil Conservation Commission for permission to drill Well No. 21-A at an unorthodox location in Sec. 21, T. 17 S., R. 32 E., N.M.P.M., Maljamar Pool, New Mexico. The application also requests permission to plug back and recomplete Well No. 15-A, located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$  of said Sec. 21 to the Yates sand at an approximate depth of 2550 feet.

The land in which the proposed well is to be drilled is embraced by Federal oil and gas Lease Las Cruces 029509(a).

The unorthodox well location as described in the application is approximately 25 feet from the common intersection of the boundaries of a 40-acre legal subdivision. No encroachment of the outer boundaries of the leasehold is involved as the proposed location is approximately 1345 feet from the lease boundary.

No objection is offered by this office to the plugging back of Well No. 15-A to the Yates sand or to the drilling of Well No. 21-A at the unorthodox location specified in the application. It is the opinion of this office that the drilling of such additional wells on the leasehold should be encouraged to increase the ultimate recovery of oil and gas from the Maljamar Pool.

Approval to drill the proposed well at the unorthodox location will be contingent upon (1) the approval of such location by the Oil Conservation Commission of the State of New Mexico for proration purposes and (2) the filing of a stipulation in triplicate, executed by the Buffalo Oil Company, wherein it agrees to treat the 40-acre tracts surrounding the well as a single unit for purposes of assignment and that none of the 40-acre tracts involved will be separately assigned until the well has been properly plugged and abandoned.

Very truly yours,

R. E. CANFIELD,  
Acting Supervisor, Oil and Gas Operations.

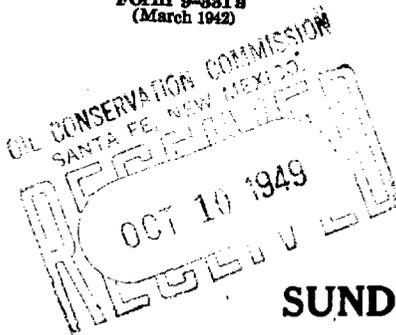
Form 9-331a  
(March 1942)

(SUBMIT IN TRIPLICATE)

Land Office Las Cruces

Lease No. 029509-A

Unit K



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Artesia, New Mexico, Oct. 7, 1949

M. E. Balch

Well No. A-15 is located 1900 ft. from SW line and 1900 ft. from EW line of sec. 21

NE 1/4 SW 1/4 Sec. 21      17      32      N 100W  
(1/4 Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)

Maljamar      Lea      New Mexico  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is 4034 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On May 13, 1949 the Oil Conservation Commission of the State of New Mexico in Case No. 185, Order No. 821, approved our application for permission to drill well No. 21 at a point twenty-five feet out of the southwest corner of the NE 1/4 of SW 1/4 of Sec. 21-17-32, which is the same Unit on which No. 15 well is located. That well has now been completed, and in accordance with approved plan and stipulation of the Oil Conservation Commission, well No. 15 has been shut in and will be no longer produced from the Maljamar pay.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Buffalo Oil Company

Address Box 517

Artesia, New Mexico

By J. G. Lewis

Title Vice Pres.

J. M. HERVEY 1874-1953

HIRAM M. DOW  
CLARENCE E. HINKLE  
W. E. BONDURANT, JR.  
GEORGE H. HUNKER, JR.  
HOWARD C. BRATTON  
S. B. CHRISTY, IV  
LEWIS C. COX, JR.

PAUL W. EATON, JR.  
ROBERT C. BLEDSOE

LAW OFFICES  
HERVEY, DOW & HINKLE  
HINKLE BUILDING  
ROSWELL, NEW MEXICO

TELEPHONE MAIN 2-6510  
POST OFFICE BOX 547

February 24, 1960

*File*

Mr. A. L. Porter, Jr., Secretary-Director  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Re: Supplemental and Amendatory  
Agreement to the Maljamar  
Cooperative Repressuring  
Agreement

*this is an  
old old  
case.  
Don't  
know  
the  
no.*

Dear Mr. Porter:

We hand you herewith a fully executed and approved copy of the above Agreement which was approved by the Commissioner of Public Lands on December 23, 1959, and by Fred A. Seaton, Secretary of the Interior, on February 5, 1960. You will note that there is an original and a counterpart.

Yours very truly,

HERVEY, DOW & HINKLE

By *Clarence E. Hinkle*

CEH/bp  
Enclosure

cc: Mr. Frank Merrill  
Mr. Bill Mead

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Las Cruces

Lease No. 029509-A

Unit K

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Artesia, New Mex. Oct. 20, 1949

**N. E. Baish**

Well No. A-21 is located 1395 ft. from SN line and 1347 ft. from EW line of sec. 21

NE 1/4 Sec. 21      17      32      NMPN  
(1/4 Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)

HALJANAR      Lee      NEW MEXICO  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is 4015 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This well produces very little gas with the oil, and considerable trouble was experienced in keeping the well flowing. A pressure controlled intermitter was installed and on October 19th the well was tested for a period of 24 hours. During that time the well produced 49 ba frrels of oil through a 32/64" choke with a gas-oil ratio of 472 cu. ft. of gas per barrel of oil. It made eleven-fifteen minute flows with the intermitter set to operate at 680# to open, and close at 630#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company BUFFALO OIL COMPANY

Address BOX 517

ARTESIA, NEW MEXICO

By A. E. Ellis

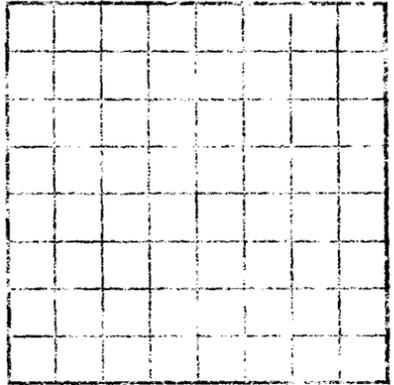
Title Vice Pres.



U.S. LAND OFFICE  
SERIAL NUMBER  
ADDRESS OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company Name  
Address  
Field  
County  
Meridian  
Township  
Elevation

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

Commenced drilling  
Finished drilling

OIL OR GAS SANDS OR ZONES

Table with columns for No. from, to, and description of oil or gas sands or zones.

IMPORTANT WATER SANDS

Table with columns for No. from, to, and description of important water sands.

CASING RECORD

Table with columns for Kind of pipe, Amount, Name, and other casing details.

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 substituted, or left in the well, give its size and location. If the well has been abandoned, give date, 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 pulling.

HISTORY OF OIL OR GAS WELL

U.S. GOVERNMENT PRINTING OFFICE

MIDDING AND CEMENTING RECORD

Table with columns for Kind of cement, Method used, Kind of pipe, and Amount of material.

PLUGS AND ADAPTERS

Table with columns for Material, Length, and Depth set.

SHOOTING RECORD

Table with columns for Shell used, Quantity, Date, and other shooting details.

TOOLS USED

Table with columns for Name of tool, Date, and other tool details.

DATES

Production for the first 24 hours was...  
It was well on its feet in 24 hours...  
Block pressure, lbs. per sq. in.

EMPLOYEES

Table with columns for Name, Position, and other employee details.

FORMATION RECORD

Main formation record table with columns for Depth, Formation, and other geological data.

REAR - 11304