

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐
2. NAME OF OPERATOR
CONTINENTAL OIL COMPANY
3. ADDRESS OF OPERATOR
P. O. Box 460, Hobbs, N.M. 88240
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1345' FSL + 1295' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
- FRACTURE TREAT ☐
- SHOOT OR ACIDIZE ☐
- REPAIR WELL ☐
- PULL OR ALTER CASING ☐
- MULTIPLE COMPLETE ☐
- CHANGE ZONES ☐
- ABANDON* ☐
- (other) CONV. TO INJ ☒

SUBSEQUENT REPORT OF:

- ☐
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐

RECEIVED

FEB 1 1979

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

5. LEASE
LC 029405 X (b)
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
MCA UNIT
8. FARM OR LEASE NAME
MCA
9. WELL NO.
291
10. FIELD OR WILDCAT NAME
GRAYBURG - SAN ANDRES
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 19 T. 17S R. 32E
12. COUNTY OR PARISH
LEA
13. STATE
N.M.
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3921' GR

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to CONVERT THE SUBJECT SHUT IN OIL WELL TO INJECTION.

THE CONVERSION OF THE WELL WAS APPROVED BY NMOCJ ORDER WFX-471.

SEE ATTACHED FOR THE PROPOSED PROCEDURE AND DIAGRAMS.

SEE ATTACHED FOR SURFACE USE PLAN

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Wm. A. Butterfield TITLE Admin. Supv. DATE 1-4-79

(This space for Federal Use Only)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

USGS 5

PRNRS 4

FILE

*See Instructions on Reverse Side

APPROVED
AS AMENDED
MAR 19 1979
ACTING DISTRICT ENGINEER

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECOMMENDED PROCEDURE - MCH NO 29
CONVERT TO INJECTION

- 1) LOAD WELL W/TFW. PULL REMAINING JL
OF 2 $\frac{3}{8}$ TAG
- 2) GRILL OUT BAKER RETAINER @ 3500' &
PKR @ 3787' & CLEAN OUT TO 4030'.
- 3) RUN WORK STRING W/TREATING PKR &
SET @ $\pm$ 3500'.
- 4) PUMP 1000 GALS 15% HCL-NE ACID @ 3-5
RPM. FLUSH W/ 15 BBLs. TFW.
- 5) DIVERT W/500 GALS 10# CRINE W/500#
ROCK SALT IN 60# SYSTEM OF GUAR GU.
- 6) REPEAT STEP 4, FLUSHING W/18 BBLs TFW.
- 7) REPEAT STEP 5
- 8) REPEAT STEP 4, FLUSHING W/22 BBLs TFW
SWAB BACK LOAD MAXIMUM OF 6 HRS.
- 9) PUMP W/ WORK STRING & RUN 2 $\frac{3}{8}$ " IPC
TAG W/BAKER MODEL AD-1 TENSION PKR
FILL ANNULUS W/PKR FLUID & SET PKR
@ $\pm$ 3500'. PUT ON INJECTION.

PKR FLUID (PER 100 BBLs FRESH H₂O)

5 GALS WATER DISP CORR. INHIB.

1 GAL RIZOLIDE

10# SODIUM SULFATE

10# SODIUM HYDROXIDE

350# POTASSIUM CHLORIDE

HPG

6/2/77

MCA NO. 291
1345' FS & 1295' FW
19-17-32
ELEV 3921' G L
O = 11.3 ALF
R L F 10-71

1 JT 2 3/4" TBG W/ BLOCK VALVE
EUE 8 rd

ROTARY TO 4070' 7-28-71

8 5/8" @ 700', 400 SX, CIRC

T O C 2500', TEMP SURVEY

LOGS: EPI/NEUTRON PFC

MODEL 'K' RETAINER @ 3500'

3563, 66, 69, 74, 82, 85, 88, 91 6TH ZONE
2400 GAL 15% LTNE
FRAC W/20,000 GAL & 30,000# SD

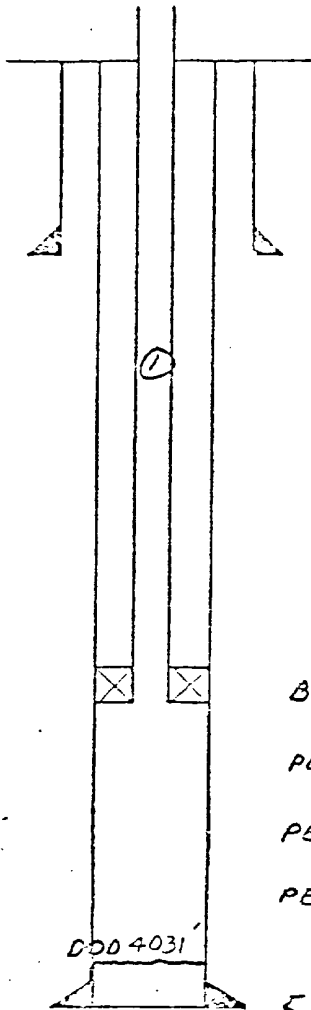
3690, 93, 96, 99 7TH ZONE, 4000 GAL 15% LTNE
PKR @ 3787'

3871, 75, 81, 9TH ZONE, 1500 GAL 15% LTNE
3928, 32, 41, 47, 9TH ZONE, 2000 GAL 15% LTNE
4031 D O D
14# 5 1/2" @ 4070', 300 SX
4070' T D

IP: P 305 BO, 128 BW, 24 HRS 8-18-71

PRESENT

MCA NO. 291
1345' FS & 1295' PWL
19-17-32 ELEV: 3921' AGL
'O' = 11.3 ALF
HPG 5/1/77



8 5/8", 20 # CSG @ 700' SET W/400 SX (CIRC.)

① 2 3/8", J-55, 4.7 #, EUE 8RD, IPC TBG @

BAKER MODEL AD-1 TENSION PRR @ ± 3500'

PERFS: 6TH ZONE @ 3563, 66, 69, 74, 82, 85, 88, 91

PERFS: 7TH ZONE @ 3690, 93, 96, 99

PERFS: 9TH ZONE @ 3871, 75, 81, 3928, 32, 41, 47

D004031

4070' TD

5 1/2", 14 #, CSG @ 4070' SET W/300 SX

PROPOSED

SURFACE USE PLAN
Conversion of 7 MCA Unit Oil Wells to Injection
Sec. 19, 20, 30, T-17S, R-32E
Lea County, New Mexico

The following is a discussion of pertinent information concerning possible effect which the proposed conversion of the wells to injection may have on the environment of the well sites and surrounding acreage.

1. Existing Roads

- A. Exhibit "A" is a road map showing existing black top roads.
- B. Exhibit "B" is a lease map showing existing lease roads.
- C. No improvement or maintenance is required for existing roads.

2. Planned Access Roads

No new roads planned.

3. Location of Existing Wells

See Exhibits "B" and "C".

4. Location of Existing and/or Proposed Facilities

- A. No new tank batteries are required.
- B. No additional producing facilities are required.
- C. No new oil gathering lines are required.
- D. It is proposed to tie into an existing header and bury the injection lines 24" under the surface in a straight line to the well. The proposed route is shown on the attached Exhibits "B" and "C".

5. Water Supply

The supply of water is the Maljamar Injection Station located in the NE/4 Sec. 28, T-17S, R-32E.

6. Source of Construction Material

No new caliche will be required.

7. Method of Disposing of Waste Material

All detrimental waste will be hauled away, burned, or buried with a minimum of 24" of dirt.

8. Ancillary Facilities

None required.

9. Well Site Layout

None

10. Plans for Restoration of Surface

Lines will be buried and surface returned to original condition to allow natural vegetation.

11. Other Information

- A. Terrain: Low rolling sand hills
- B. Soil: Sandy
- C. Vegetation: Mesquite, shrubs, some grass
- D. Surface Use: Grazing
- E. Ponds and Streams: None within one mile
- F. Water Wells: None within one mile
- G. Residences and Buildings: None within one mile
- H. Arroyos, Canyons, Etc.: No significant surface features
- I. Archaeological Resources: None observed

12. Operator's Representative

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Production
P. R. DeFoe or H. C. Pokrandt
1001 North Turner
Hobbs, New Mexico 88240
Phone: 393-4141

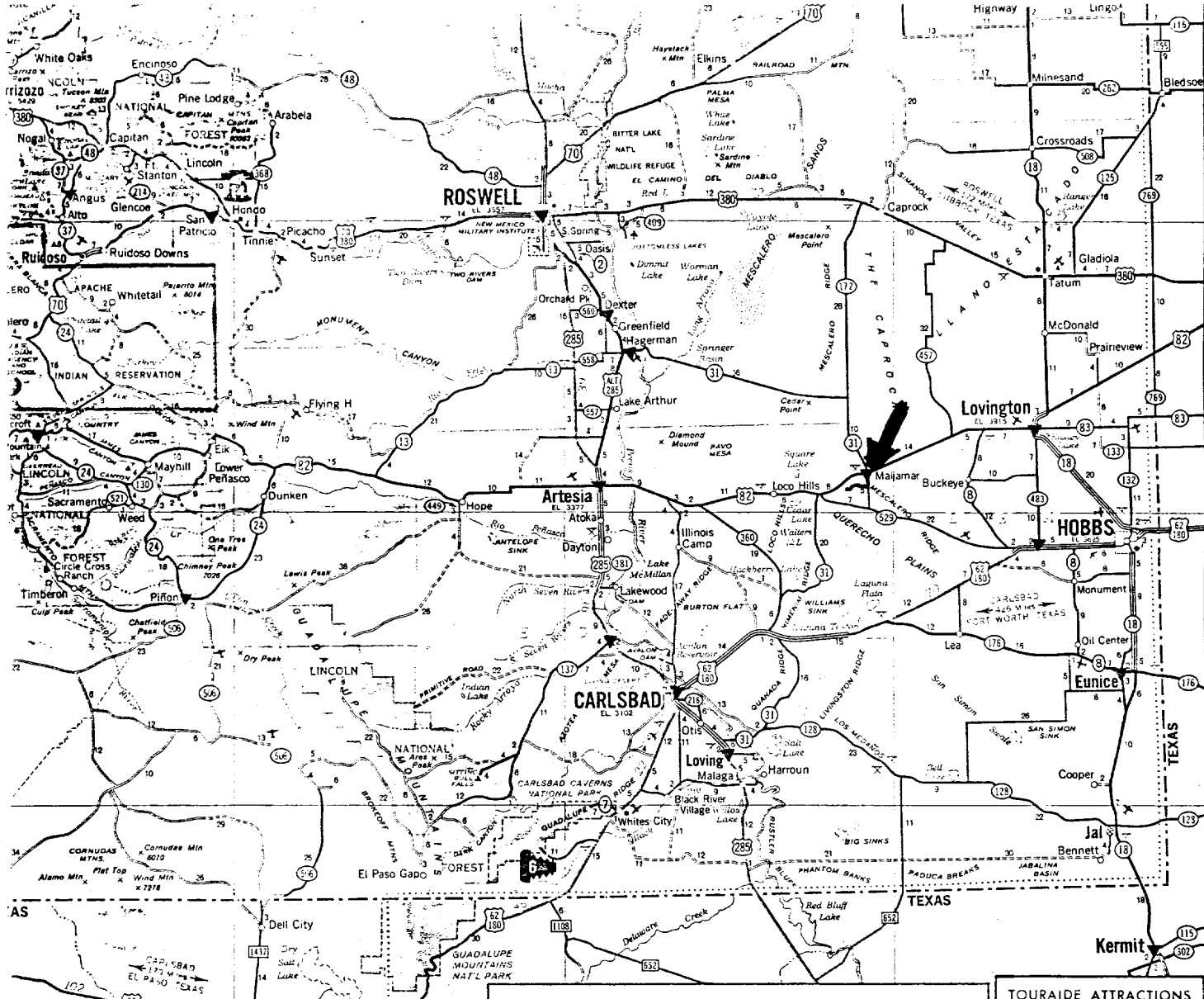
13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed site; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Continental Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

1/5/79
Date

H. C. Pokrandt
Production Superintendent

PEB:vjk



1-1	San Hilario	4-4	San Juan	6-6	San Juan
2-2	San Juan	5-5	San Juan	7-7	San Juan
3-3	San Juan	6-6	San Juan	8-8	San Juan
4-4	San Juan	7-7	San Juan	9-9	San Juan
5-5	San Juan	8-8	San Juan	10-10	San Juan
6-6	San Juan	9-9	San Juan	11-11	San Juan
7-7	San Juan	10-10	San Juan	12-12	San Juan
8-8	San Juan	11-11	San Juan	13-13	San Juan
9-9	San Juan	12-12	San Juan	14-14	San Juan
10-10	San Juan	13-13	San Juan	15-15	San Juan
11-11	San Juan	14-14	San Juan	16-16	San Juan
12-12	San Juan	15-15	San Juan	17-17	San Juan
13-13	San Juan	16-16	San Juan	18-18	San Juan
14-14	San Juan	17-17	San Juan	19-19	San Juan
15-15	San Juan	18-18	San Juan	20-20	San Juan
16-16	San Juan	19-19	San Juan	21-21	San Juan
17-17	San Juan	20-20	San Juan	22-22	San Juan
18-18	San Juan	21-21	San Juan	23-23	San Juan
19-19	San Juan	22-22	San Juan	24-24	San Juan
20-20	San Juan	23-23	San Juan	25-25	San Juan
21-21	San Juan	24-24	San Juan	26-26	San Juan
22-22	San Juan	25-25	San Juan	27-27	San Juan
23-23	San Juan	26-26	San Juan	28-28	San Juan
24-24	San Juan	27-27	San Juan	29-29	San Juan
25-25	San Juan	28-28	San Juan	30-30	San Juan
26-26	San Juan	29-29	San Juan	31-31	San Juan
27-27	San Juan	30-30	San Juan	32-32	San Juan
28-28	San Juan	31-31	San Juan	33-33	San Juan
29-29	San Juan	32-32	San Juan	34-34	San Juan
30-30	San Juan	33-33	San Juan	35-35	San Juan
31-31	San Juan	34-34	San Juan	36-36	San Juan
32-32	San Juan	35-35	San Juan	37-37	San Juan
33-33	San Juan	36-36	San Juan	38-38	San Juan
34-34	San Juan	37-37	San Juan	39-39	San Juan
35-35	San Juan	38-38	San Juan	40-40	San Juan
36-36	San Juan	39-39	San Juan	41-41	San Juan
37-37	San Juan	40-40	San Juan	42-42	San Juan
38-38	San Juan	41-41	San Juan	43-43	San Juan
39-39	San Juan	42-42	San Juan	44-44	San Juan
40-40	San Juan	43-43	San Juan	45-45	San Juan
41-41	San Juan	44-44	San Juan	46-46	San Juan
42-42	San Juan	45-45	San Juan	47-47	San Juan
43-43	San Juan	46-46	San Juan	48-48	San Juan
44-44	San Juan	47-47	San Juan	49-49	San Juan
45-45	San Juan	48-48	San Juan	50-50	San Juan
46-46	San Juan	49-49	San Juan	51-51	San Juan
47-47	San Juan	50-50	San Juan	52-52	San Juan
48-48	San Juan	51-51	San Juan	53-53	San Juan
49-49	San Juan	52-52	San Juan	54-54	San Juan
50-50	San Juan	53-53	San Juan	55-55	San Juan
51-51	San Juan	54-54	San Juan	56-56	San Juan
52-52	San Juan	55-55	San Juan	57-57	San Juan
53-53	San Juan	56-56	San Juan	58-58	San Juan
54-54	San Juan	57-57	San Juan	59-59	San Juan
55-55	San Juan	58-58	San Juan	60-60	San Juan
56-56	San Juan	59-59	San Juan	61-61	San Juan
57-57	San Juan	60-60	San Juan	62-62	San Juan
58-58	San Juan	61-61	San Juan	63-63	San Juan
59-59	San Juan	62-62	San Juan	64-64	San Juan
60-60	San Juan	63-63	San Juan	65-65	San Juan
61-61	San Juan	64-64	San Juan	66-66	San Juan
62-62	San Juan	65-65	San Juan	67-67	San Juan
63-63	San Juan	66-66	San Juan	68-68	San Juan
64-64	San Juan	67-67	San Juan	69-69	San Juan
65-65	San Juan	68-68	San Juan	70-70	San Juan
66-66	San Juan	69-69	San Juan	71-71	San Juan
67-67	San Juan	70-70	San Juan	72-72	San Juan
68-68	San Juan	71-71	San Juan	73-73	San Juan
69-69	San Juan	72-72	San Juan	74-74	San Juan
70-70	San Juan	73-73	San Juan	75-75	San Juan
71-71	San Juan	74-74	San Juan	76-76	San Juan
72-72	San Juan	75-75	San Juan	77-77	San Juan
73-73	San Juan	76-76	San Juan	78-78	San Juan
74-74	San Juan	77-77	San Juan	79-79	San Juan
75-75	San Juan	78-78	San Juan	80-80	San Juan
76-76	San Juan	79-79	San Juan	81-81	San Juan
77-77	San Juan	80-80	San Juan	82-82	San Juan
78-78	San Juan	81-81	San Juan	83-83	San Juan
79-79	San Juan	82-82	San Juan	84-84	San Juan
80-80	San Juan	83-83	San Juan	85-85	San Juan
81-81	San Juan	84-84	San Juan	86-86	San Juan
82-82	San Juan	85-85	San Juan	87-87	San Juan
83-83	San Juan	86-86	San Juan	88-88	San Juan
84-84	San Juan	87-87	San Juan	89-89	San Juan
85-85	San Juan	88-88	San Juan	90-90	San Juan
86-86	San Juan	89-89	San Juan	91-91	San Juan
87-87	San Juan	90-90	San Juan	92-92	San Juan
88-88	San Juan	91-91	San Juan	93-93	San Juan
89-89	San Juan	92-92	San Juan	94-94	San Juan
90-90	San Juan	93-93	San Juan	95-95	San Juan
91-91	San Juan	94-94	San Juan	96-96	San Juan
92-92	San Juan	95-95	San Juan	97-97	San Juan
93-93	San Juan	96-96	San Juan	98-98	San Juan
94-94	San Juan	97-97	San Juan	99-99	San Juan
95-95	San Juan	98-98	San Juan	100-100	San Juan

LOCATIONS WHERE CONOCO PRODUCTS ARE SOLD

Locations on Interstate Highways, toll roads or major limited access highways where CONOCO PRODUCTS are sold.

Other CONOCO station locations.

Locations of CONOCO Travel Shoppes.

Locations where CONOCO DEALERS provide Trailer Travelers with Sanitary Disposal Facilities. Look for this sign:

conoco

EXHIBIT A

TOURAIDE ATTRACTIONS

1 HISTORICAL

2 SCENIC

3 GENERAL

Attraction points described on reverse side

How to read your map of NEW MEXICO

SCALE IN MILES AND KILOMETERS

ONE INCH 22 MILES 0 5 10 20 30

ONE INCH 35 KILOMETERS 0 5 10 20 30 40

HIGHWAY MARKERS

INTERSTATE 40 UNITED STATES 66 STATE 41 TEXAS FARM OR RANCH 100

ROAD CLASSIFICATIONS

CONTROLLED ACCESS DIVIDED HIGHWAYS

OTHER DIVIDED HIGHWAYS

PRINCIPAL THROUGH HIGHWAYS

OTHER THROUGH HIGHWAYS

CONNECTING HIGHWAYS

LOCAL ROADS in unfamiliar areas inquire locally before using these roads

MILEAGES LONG DISTANCE MILEAGES SHOWN IN RED

MILEAGE BETWEEN TOWNS AND JUNCTIONS 3 4

MILEAGE BETWEEN DOTS 2 5

ONE MILE EQUALS 1.6 KILOMETERS ONE KILOMETER EQUALS .6 MILES

SPECIAL FEATURES

STATE PARKS

RECREATION AREAS

PORTS OF ENTRY

POINTS OF INTEREST

POPULATION SYMBOLS

State Capital 2,500 to 5,000 25,000 to 50,000 50,000 to 100,000 100,000 and over

1977 Edition

Grace Mitchell
LC 029406-B

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Les
559476

G.S.

1/65

18

16

TO MALJANAR

William Mitchell
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William Mitchell
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BOOT HILL

EXHIBIT "B"

CONOCO OFFICE
GAS PLANT

ORIG. 282

28

Cities Service

Pan American
Cities Service
Pan American

32

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TO LOCO HILLS

