

*See Instructions on Reverse Side

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVED
AS AMENDED
DATE
MAR 19 1979
ACTING DISTRICT ENGINEER

RECOMMENDED PROCEDURE - MCA No. 61
CONVERT TO INJECTION

- 1) LOAD WELL W/TFW. PULL REMAINING JT. OF 2 $\frac{7}{8}$ " TBS
- 2) DRILL CUT BAKER RETAINER @ 3500' & CLEAN OUT TO 3980' JET WASHING ON SECTION W/ 2 - $\frac{5}{16}$ " BIT NOZZLES.
- 3) RUN WORK STRING W/ TREATING PKR AND SET @ $\pm$ 3500'.
- 4) PUMP 1000 GALS 15% HCL-NE ACID @ 3-5 GPM FLUSH W/ 18 BBLS TFW.
- 5) DIVERT W/ 500 GALS 10% BRINE W/ 750 ROCK SALT IN 60 # SYSTEM OF GUAR GUM.
- 6) REPEAT STEP 4, FLUSHING W/ 26 BBLS TFW
- 7) REPEAT STEP 5
- 8) REPEAT STEP 4, FLUSHING W/ 28 BBLS TFW. SWAB PACK LOAD MAXIMUM OF 6 HRS.
- 9) PUMP W/ WORK STRING & RUN 2 $\frac{3}{8}$ " I.P.C. TBS W/ BAKER MODEL AD-1 TENSION PKR FILL ANNULUS W/ PKR FLUID AS REQUIRED AND SET PKR @ $\pm$ 3500'. PUT ON INJECTION

PKR FLUID (PER 100 BBL FRESH H₂O)

HPG

5 GALS WATER DISINF. CORR INHIB.

6/2/77

1 GAL BIOCID

10 # SODIUM SULFATE

10 # SODIUM HYDROXIDE

250 # POTASSIUM CHLORIDE

MCA UNIT NO. 61
2615' FS & 25' FWL
20-17-32 ELEV: 3942' DF
RLF 10-71 erw

1 JT 2 7/8 T&G W/BLOCK VALVE
EUG 9 rd

CABLE TOOLS TO 3977' 9-23-50

10 3/4 @ 77', 70 SX

LOGS: GRN CALIPER

EST TOC 310'

2170-90 AIR & GAS POCKET, SHOW OIL

SAKER RETAINER @ 3500'
3561 CALIPER

23# 7" @ 3560', 250 SX

3590-3630 SHOT W/80 QTS

3882-3902' SHOT W/70 QTS

3922-3977' SHOT W/170 QTS

4024' TD

GAS INJECTION WELL TO 2-1-68

REMEDIAL WORK

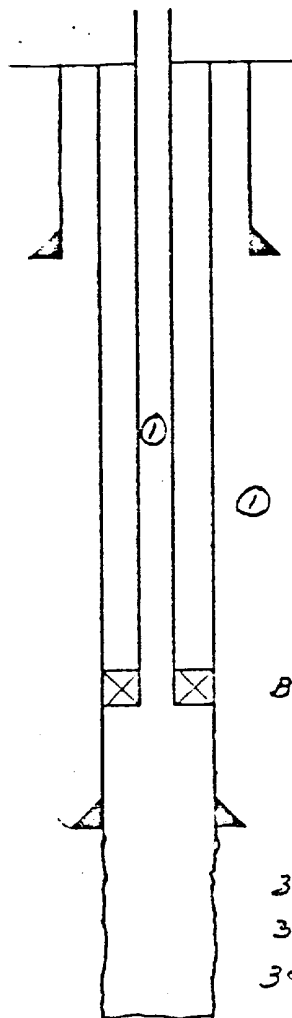
3-2-70 ATTEMPTED TO TREAT BELOW OH PKR @ 3683. HAD COMMUNICATION @ 3683, 95', 3714', 3726', 3745'. PUMPED AWAY 3486 GAL W/PKR @ 3714 AND 1386 GAL AT 3726'. SET PKR @ 3526 & TREATED W/1128 GAL 6000 GAL TOTAL TREATMENT. T.D. 3966.

2-24-71 DEEPEN AND STIMULATE. CO & DEEPENED TO 4024. SPOTTED 12 BBL ACID ON BOTTOM. SET PKR @ 3770 AND TREATED W/REMAINDER OF 3000 GAL. TREATMENT.

5-14-71 STIMULATE. SET PKR @ 3501 W/TAILOPIPE TO 3939'. TREATED W/3000 AND 2000 GAL 15% LTNE IN STAGES. TEMPTROL METHOD.

PRESENT

MCA UNIT N-1
2615' FS & 25' FWL
20-17-32 ELEV: 3942' DF
HPG 6/1/77



40.5# 8 Rd
10 3/4" CSG @ 77' SET W/70 SX

EST. TOC 310'

① 2 3/8", J-55, 4.7# E4E 8 Rd, I.P.C. TBG @ ± 3500'

BAKER MODEL AD-1 TENSION PRR @ 3500'

8 Rd
7" 23# CSG @ 3560' SET W/250 SX

3590'-3630' SHOT W/80 QTS.

3882'-3902' SHOT W/70 QTS.

3922'-3977' SHOT W/170 QTS.

T.D. 4024'

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

Grace Mitchell
LC 029406-B

Grace Mitchell
LC 029406-B

Les
054516

Les
054516

18

17

16

William Mitchell
LC 029406-B

William Mitchell
LC 029406-B

Continental
J9363

"Gulf E"

State

BOOT HILL

PIT

EXHIBIT
"B"

CONOCO
OFFICE
GAS PLANT

ORIG.
282

TB1

TB2

28

J.K. Wallingford

H. Hersey

Cities Service

Pan American

Cities Service

Pan American

32

Howe State
44-09-23
Yates Pet

33

TO LOCO HILLS

