

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

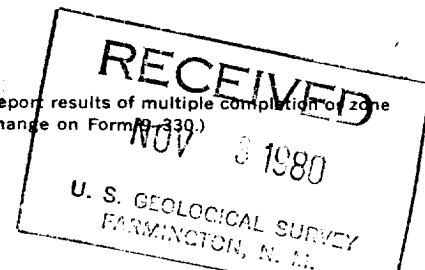
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Grace Petroleum Corporation
3. ADDRESS OF OPERATOR CO 80202
3 Park Central, #200, 1515 Arapahoe, Denver,
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 990'FNL & 660'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: | SUBSEQUENT REPORT OF: |
|---|-------------------------------------|
| TEST WATER SHUT-OFF <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* <input type="checkbox"/> | <input checked="" type="checkbox"/> |
- (other) abandon Dakota interval

5. LEASE
SF-078534
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Mesa 25
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Escrito-Lybrook
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 25-24N-7W
12. COUNTY OR PARISH Rio Arriba 13. STATE NM
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6710 GL

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



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.)*

February, 1963

- 1) Set Otis plug in 1½ Dakota tubing @ 6180
- 2) Shot off tubing @ 5701. POOH with 2 strings 1½" tubing
- 3) RIH 2-3/8" tubing
- 4) NUWH
- 5) Produce Gallup formation.
(see attached)



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Kim D. Lucke TITLE Operations Eng. DATE 9/26/80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

NMOCC

NOV 3 1980

February 11, 1963

Workover on Mesa 1-25, located D-25-24-7, Rio Arriba County, New Mexico in Escrito and Basin Dakota Fields.

Purpose of workover: Temporarily abandon Dakota formation by plugging and pulling $1\frac{1}{4}$ " tubing and to increase the efficiency of Gallup flow by replacing $1\frac{1}{4}$ " tubing with $2\frac{3}{8}$ " tubing.

History:

Set $1\frac{1}{4}$ " Otis plug choke on wire line in Dakota tubing at 6230'. Moved in Bum Gibbins double-drum pulling unit and killed well with hot oil truck. Found plug choke leaking, recovered choke, redressed and reset at 6180'. Removed dual tubing head and ran McCullough chemical cutter in Dakota tubing. Fired cutter at 6055', could not free tubing. Ran second cutter and fired at 5806', tubing still not free. Ran 100 grain string shot and fired at 5806'-tubing still not free. Ran free-point instrument in Dakota tubing to determine if tubing was sand packed. Instrument not functioning properly. McCullough brought second free-point tool to location and ran in Dakota tubing. Found tubing free at 5700'. This was the lowest point checked because of previous shots. Ran third chemical cutter and fired at 5701'. Pulled 34,000# on tubing-tubing not free. Ran string shot(700 grain) and fired from 5703'-5684'(this interval covered previous cut and tubing collar above this cut. Tubing free after shot. Pulled tubing and found tubing had parted at 5701'. Tubing appeared to have been partially cut by chemical cutter and shot parted the remaining portion.

Previous to running first chemical cutter, Gallup string of $1\frac{1}{4}$ " tubing was pulled from well.

Dual tubing tree was removed from this well and replaced with 6" Series 900 single string tubing bonnet. $2\frac{3}{8}$ " tubing was run for Gallup producing string in this well.

ENGINEERING & PRODUCTION SERVICE, Inc.

P. O. BOX 190 PH. 325-1924

FARMINGTON, NEW MEXICO 87401

March 24, 1975

Petroleum Consultants, Inc.
Suite 202
1420 Carlisle, N. E.
Albuquerque, New Mexico 87100

Att: Mr. George T. Slaughter

Re: Engineering Evaluation
Mesa # 1-25
Sec. 25-24N-7W
Rio Arriba County,
New Mexico

Dear Mr. Slaughter:

Pursuant to your request the referenced well was evaluated to determine if remedial operations would be in order. The following is a discussion of this evaluation:

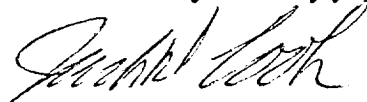
1. Log analysis indicates that there are not additional zones to be tested.
2. The Dakota and Gallup Zones' have been adequately stimulated.
3. The Dakota Zone was abandoned in 1963 by setting a tbg. plug just above the Model "D" Packer. The 1½" tbg. was then shot off and pulled. Both original strings of 1½" tubing were laid down at that time and a string of 2 3/8" tubing was installed to produce the Gallup.
4. Oil production from the Gallup has experienced an 8% per year decline rate over the past nine years, which is exceptionally good. The gas production decline rate over the same period of time is approximately 4%, which is also very favorable.
5. I suspect the method utilized in abandoning the Dakota Zone was not approved by the NMOCC. At some point it would be wise to make application to the NMOCC to commingle the Dakota and Gallup Zones. If approved, even if the work was not done would still

allow you to be in compliance with state and federal regulations.

It would be my recommendation at this point to continue to produce the well in it's present status. Production rate from the well has been very stable and I feel there is not any reason for re-stimulation at this point. When production approaches economic limit it would certainly be worth acidizing the Gallup Zone to make sure that a scale buildup has not restricted production.

Should you desire further information concerning this matter, please advise.

Yours very truly,

A handwritten signature in cursive script, appearing to read "Jack D. Cook".

Jack D. Cook

JDC:ig
cc:Burr & Cooley

ENGINEERING & PRODUCTION SERVICE, Inc.

P. O. BOX 190 — PH. 325-1924

FARMINGTON, NEW MEXICO 87401

Petroleum Consultants
Mesa # 1-25
Rio Arriba County, New Mexico

Well History

5-8-60: Spud.

Set 8 5/8" 24 # J-55 csg. @ 197 ft. Cement w/110 sks.

Set 5 1/2" 15.5 # & 14 # J-55 csg. @ 6557 ft. w/350 sks.

Top cement 4838 ft.

Perf. Dakota - 6416-36, 6392-6400, 6352-6360, 6364-68,
6286-6292, 6264-6270 w/4 ft. per ft.

Frac w/47759 gal. H₂O & 60,000 # 20-40 sd. & 25,000 #
10-20 sd.

Avg. IR 40 BPM @ avg. press. of 2600 psi.

Perf. Gallup - 5514-24, 5502-06, 5484-92, 5442-70 w/4. per ft.

Frac w/65,500 gal. H₂O & 70,000 # 20-40 sd. & 35,000 # 10-20 sd.

Avg. IR 50.1 BPM @ Avg. press. of 1850 psi.

Perf. Gallup - 5338-50, 5326-32, 5274-94 w/2 per ft.

Frac w/64,436 gal. H₂O & 60,000 # 20-40 sd. & 20,000 # 10-20 sd.

Avg. IR 61.4 BPM @ avg. press. of 2400 psi.

Set Baker Model "D" Prod. Packer @ 6250 ft.

Ran 202 jts. 1 1/2" 10 rd. EUE J-55 tbg. w/tailpipe below packer
to 6370 ft.

Ran 179 jts. 1 1/2" 10 rd. EUE J-55 tbg. for Gallup prod. set
@ 5486 ft.

Dak. 3 hr. AOF 551 MCFPD.

Gallup 3 hr. AOF 2328 MCFPD.

Well complete 7-19-60.

9-7-61 Dak. Del. 25 MCFPD.

9-29-62: Pull tbg. to paraffin plugged jt. Remove same &
rerun tbg.

2-6-63: Set Otis plug in Dak. tbg. string @ 6230 ft.
plug leaked - reset @ 6180 ft. Shot off tbg w/ chemical
cutter & string shot after several unsuccessful attempts
@ 5701 ft. Both strings of 1 1/9" tbg. laid down. Run
one string 2 3/8" tbg. to produce Gallup Zone.

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Mesa # 1-25

No further information on well history available.

Jack D. Cook
3-21-75