9-331
1973

Form Approved.
Budget Bureau No. 42-R1424

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
Tom Bolack

3. ADDRESS OF OPERATOR
P.O. Box 255, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 790 fsl, 790 fwl
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Same

5. LEASE
NM-02707

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
None

8. FARM OR LEASE NAME
Tommy Bolack

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec.1 T30N-R12W, N.M.P.M.

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. API NO.
30-045-24575

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5736 Gr., 5750 KB est.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☒		☐
FRACTURE TREAT	☒		☐
SHOOT OR ACIDIZE	☒		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☒		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other)			

RECEIVED
FEB 25 1981
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

(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.)*

Attempt completion of above well according to the attached copy of the proposed completion procedure, commencing February 25, 1981.

RECEIVED
FEB 27 1981
OIL CON. COM.
DIST. 3

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

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

SIGNED Wm R. Speer TITLE Agent DATE February 24, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
FEB 26 1981
Bruce Wamsley
FOR DISTRICT ENGINEER

*See Instructions on Reverse Side

NMOCC

3E COMPANY, INC.

Engineering • Energy • Exploration

P. O. Box 190 —:— 505/327-4020

Farmington, New Mexico 87401

TOM BOLACK

TOMMY BOLACK #1

790'/S & 790'/W
San Juan Co., N.M.
Basin Dakota - Flora Vista Gallup Dual

DATA:
Elevation 5736' G.L.
K.B. 13' above G.L.
8 5/8" 36# @ 255'
5½" 15.5# K-55 @ 6847' (RKB)
Float collar @ 6805' (RKB)
D.V. Tools @ 2259' (RKB) & 4834' (RKB)

PROCEDURE:

1. Move in & rig up pulling unit, install tubing hanger and BOP.
2. PU 4 3/4" bit, casing scraper, 4 - 3½" drill collars on 2 3/8" EUE tubing.
3. TIH & drill stage tools @ 2259' & 4834', clean out to float @ 6805'.
4. Displace hole w/ KCl H_2O (1%) & POOH.
5. RU Wireline Co., run CBL w/ VDL, CCL logs. Correct depth to Schlumberger density open hole log of 01/21/81. Run No.1. Run CBL to cement top on each stage.
6. Pressure test csg to 4000 psi for 15 min.
7. Perforate Dakota sand w/ 4" cased gun using premium charges at 2 JSPF, the following intervals:

6714'-38'	24'	48 holes
6670'-74'	4'	8 holes
6644'-60'	16'	32 holes
6600'-26'	26'	52 holes
6545'-50'	5'	10 holes
	75'	150 holes

8. TIH w/ retrievable bridge plug & service packer on 2 3/8" EUE tubing w/ seat nipple on top of packer.
9. Set bridge plug below all perfs and pull pkr to 50' above top perf. Swab test Dakota perfs.
10. Isolate perf interval 6714'-38', spot acid over zone and acidize w/ 1000 gal 15% HCl.

11. Isolate perf intervals 6670'-74' & 6644'-60', spot acid over perfs and acidize w/ 1000 gal 15% HCl.

12. Isolate perf interval 6600'-26', spot acid over perfs and acidize w/ 1000 gal 15% HCl.

13. Isolate perfs 6545'-50', spot acid over perfs & acidize w/ 250 gal 15% HCl.

14. Lower bridge plug below all perfs and set packer approximately 6500'.

15. Swab well if necessary, and test production.

16. POH w/ rbp and pkr.

17. Fracture Dakota interval w/ 142,500 gal 30# cross-linked 1% KCl H_2O as follows:

10,000 gal pad containing 25#/1000 Aqua Seal	
10,000 gal w/ ½# 20/40 sand	5000#
10,000 gal w/ 1# 20/40 sand	10,000#
16,500 gal w/ 2# 20/40 sand	33,000#
Drop 48 RCN diverting balls	
10,000 gal pad containing 25#/1000 Aqua Seal	
10,000 gal w/ ½# 20/40 sand	5,000#
10,000 gal w/ 1# 20/40 sand	10,000#
12,500 gal w/ 2# 20/40 sand	25,000#
Drop 40 RCN diverting balls	
10,000 gal pad containing 25#/1000 Aqua Seal	
10,000 gal w/ ½# 20/40 sand	5,000#
10,000 gal w/ 1# 20/40 sand	10,000#
23,500 gal w/ 2# 20/40 sand	47,000#

Flush to top perf.

Total sand 150,000# 20/40
Average rate 40 BPM @ 3500 psi estimated surface pressure.

18. Shut in to allow gel to break.

19. TIH w/ 2 3/8" EUE tubing, seat nipple, check sand fill and clean out if necessary.

20. Swab test Dakota zone.

21. Run Baker model "D" production pkr w/ expendable plug, set on wireline @ 6500'. Press. test to 4000 psi, dump 20 gal sand on pkr.

22. Perforate Gallup interval 5930'-44' w/ 2 JSPF using 4" cased gun and premium charges.

23. Attempt to break perfs and establish rate w/ KCl H_2O. If unsuccessful, TIH w/ 2 3/8" tbg & spot acid over perf interval. Acidize w/ 700 gal. 15% HCl. POH w/ 2 3/8" tbg.

24. Fracture Gallup zone w/ 36,000 gal 30#/1,000 cross-linked 1% KCl H_2O containing N.E. surfactant as follows:

    6,000 gal pad w/ 25#/1000 Aqua Seal
    10,000 gal ½# 20/40 sand/gal
    10,000 gal 1# 20/40 sand/gal
    10,000 gal 2# 20/40 sand/gal
    5946 gal flush

    Total sand 35,000# 20/40
    Average rate 15 BPM @ estimated surface pressure of 3000 psi.

25. Shut in to allow gel to break.

26. Run 2 3/8" EUE tubing w/ seat nipple and test Gallup production.

27. Lower 2 3/8" tubing and clean sand from top of production pkr @ 6500'. POH and lay down 2 3/8" tubing.

28. Depending on production tests, run 2 1/16" Id and 1¼" EUE production tubing and hang in wellhead. Nipple up Christmas tree and open both zones to clean up and prepare for tests.

29. Rig down completion unit.

John Alexander