

FILE NOTATIONS

Entered in MID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief *PWB*
Approval Letter *11.20.73*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *10.9.73*

Location Inspected

OW..... WW..... TA.....

Bond released

GW..... OS..... PA..... ✓

State or Fee Land

LOGS FILED

Driller's Log..... ✓

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

5. LEASE DESIGNATION AND SERIAL NO.
U-5949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shenandoah - Bowknot

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR B.L.F. AND SURVEY OR ABSTRACT NO.
Sec 21, T-25-S, R-18-E, S.L.M.

12. COUNTY OR PARISH 13. STATE
Grand Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
READ & STEVENS, INC.

3. ADDRESS OF OPERATOR
P. O. Box 2126, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E
 At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
21 miles west of Moab, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	<u>1060'</u>	16. NO. OF ACRES IN LEASE	<u>640.00</u>	17. NO. OF ACRES ASSIGNED TO THIS WELL	<u>40.00</u>
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	<u>330'</u>	19. PROPOSED DEPTH	<u>6850' ✓</u>	20. ROTARY OR CABLE TOOLS	<u>Rotary - Loffland Brothers</u>
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	<u>5161 GL</u>	22. APPROX. DATE WORK WILL START*	<u>7-23-73</u>		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	12 3/4"	38# H-40	300'	Cement Circulated
11"	8 5/8"	32# K-55	2850'	300' sx.
7 7/8"	5 1/2"	17# K-55 & N-80	6850'	400' sx.

Well is to be drilled to test the Cane Creek Zone within the Paradox Salt anticipated at an approximate depth of 6700'.

Proposed drilling program is as follows:

From 0' to 2850', drill with air and aerated mud. From 2850' to 4080', drill with air until fluid is encountered, then drill with fresh water mud to top of Salt. Mud wt. 8.5#, Vis 34 - 36, WL 20-40. From 4080' to 6850', drill with brine system plus possible weight material, mud wt. 10.1# - 17.5#, Vis 34 - 35, WL 20.

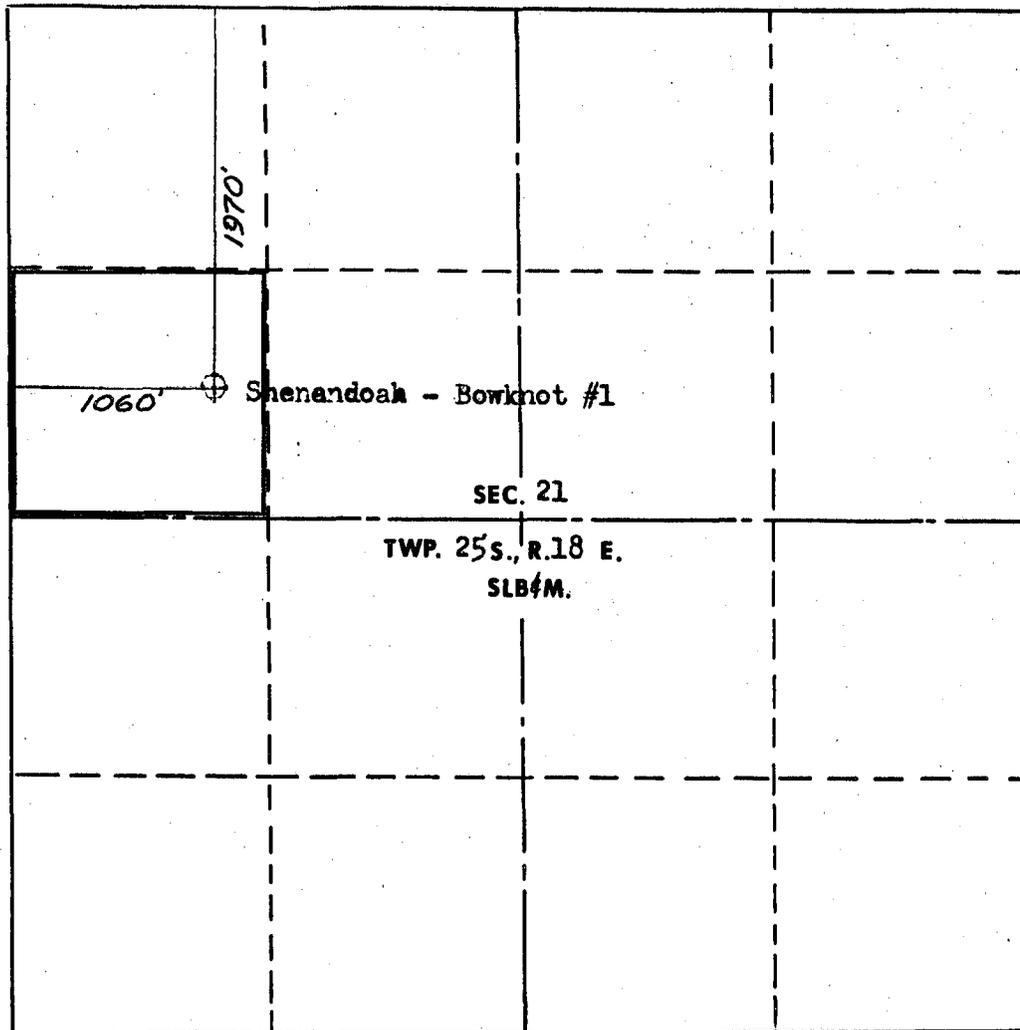
See Data on Operator's Plan of Area.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED John L. Anderson Jr. TITLE Agent DATE July 16, 1973

(This space for Federal or State office use)
 PERMIT NO. 43-019-30170 APPROVAL DATE _____

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



SCALE: 1" = 1000'

SURVEYORS CERTIFICATE

I, GEORGE H. NEWELL A REGISTERED LAND SURVEYOR AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH, HOLDING LICENSE NO. 1770, CERTIFY THAT THIS PLAT OF:

SHEMANDOAH - BOWKNOT # 1

AND MORE SPECIFICALLY DESCRIBED AS FOLLOWS:

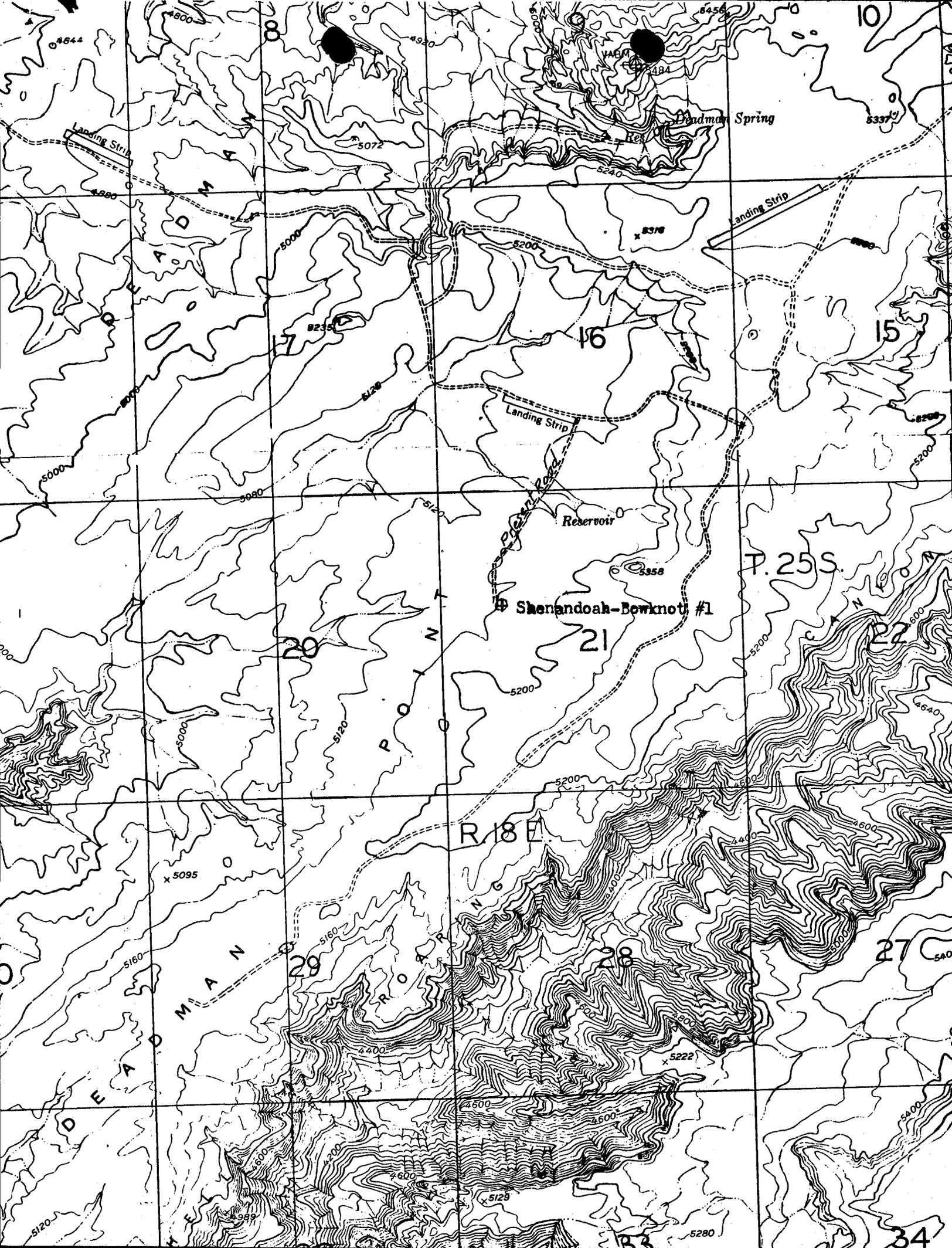
1970 feet from the North line and 1060 feet from the West line of Section 21, T. 25 S., R. 18 E., SLB&M. Ground line elevation 5161.

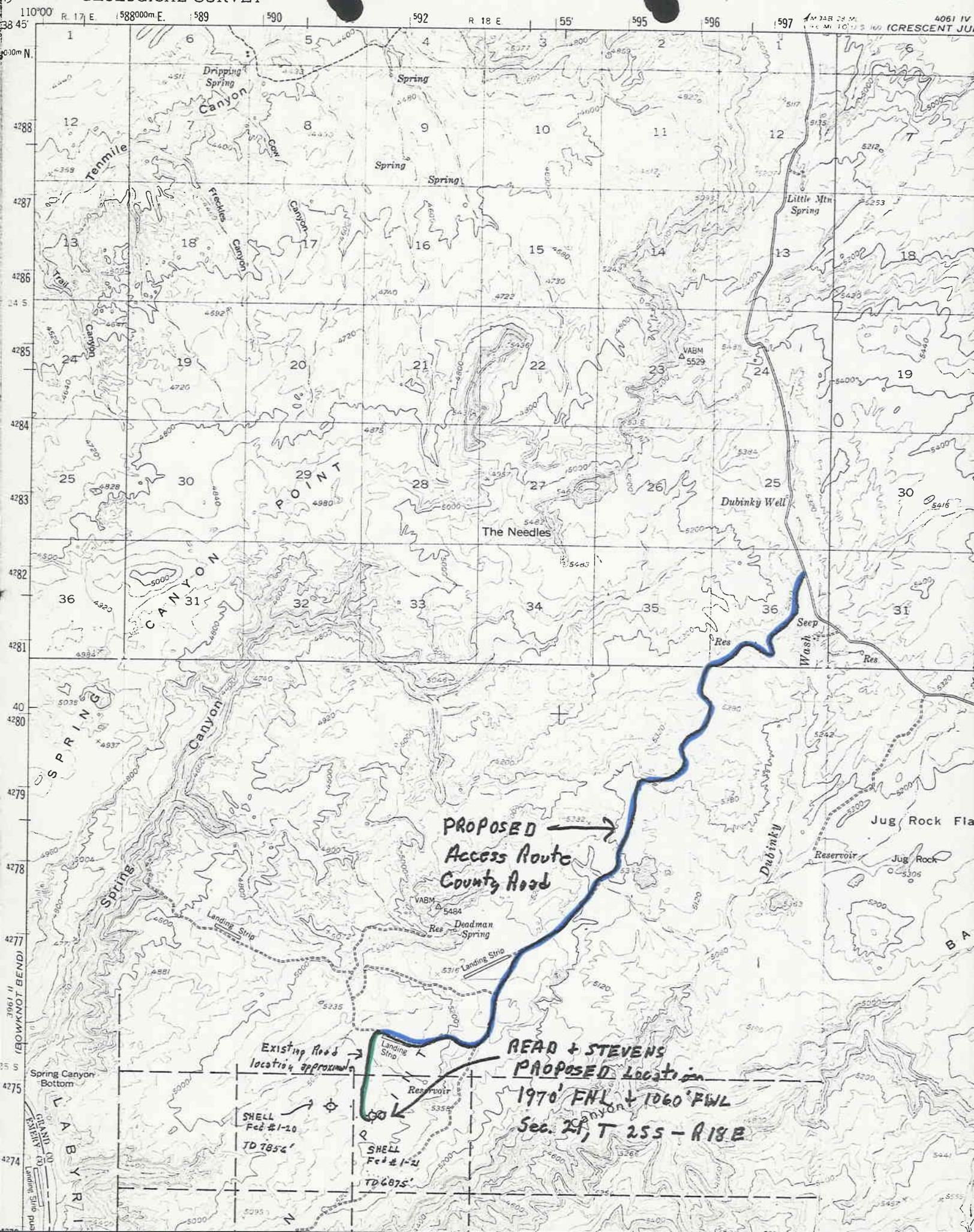
IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE July 11, 1973

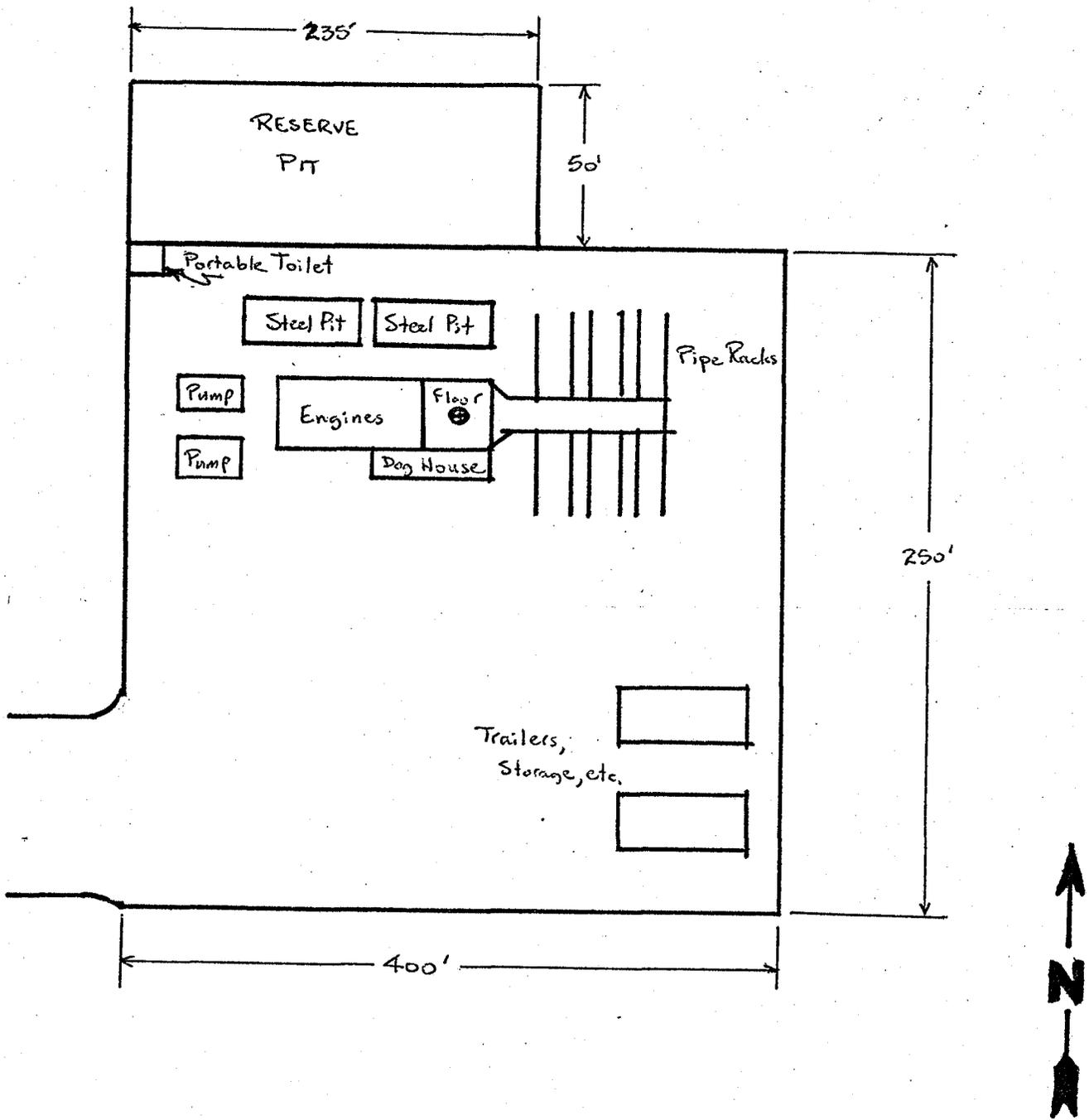
George H. Newell

 GEORGE H. NEWELL





PLAT No. 2
Location Lay out
#1 Shenandoah - Bowknot



LESSEE SURFACE OPERATION PLAN

1. Existing roads:

The existing roads are delineated on the attached Plat No. 1.

2. Planned access roads:

Access will be from the existing roads, the county road marked in blue on the attached Plat and the existing access lease road (green) which leads directly to the wellsite.

The existing access lease road will be improved to above county road standard and proper precautions will be taken to prevent and control erosion.

3. Location of Well:

The well is to be located 1970' FNL and 1060' FWL of Section 21, Township 25 South, Range 18 East, S.L.M., and is a wildcat test. Any additional locations will be contingent upon the success of this test.

The wellsite is situated on a gently sloping surface which is comprised of bedrock sandstone and blow sand.

4. Lateral roads to all well locations:

Plans for additional developmental locations are contingent upon the outcome of this well.

5. Location of tank batteries and flow lines:

In the event production is gained, surface equipment will be situated on the drillsite pad.

6. Locations and types of water supply:

Water will be trucked from the town of Moab, Utah to the wellsite.

7. Methods of handling waste disposal:

A reserve pit capable of holding at least three times the anticipated mud system will be constructed. Trash will be trucked to the town of Moab, Utah, and disposed of at the town dump.

A portable, outdoor enclosed toilet will be provided for crews working at the drillsite.

8. Location of camps:

Drilling crews will commute from the neighboring town. Two or three mobile trailers will be situated at the drillsite for use of supervisory and technical personnel and will be removed upon completion of the well.

9. Location of airstrips:

None anticipated.

10. Location Layout:

See Plat No. 2 attached.

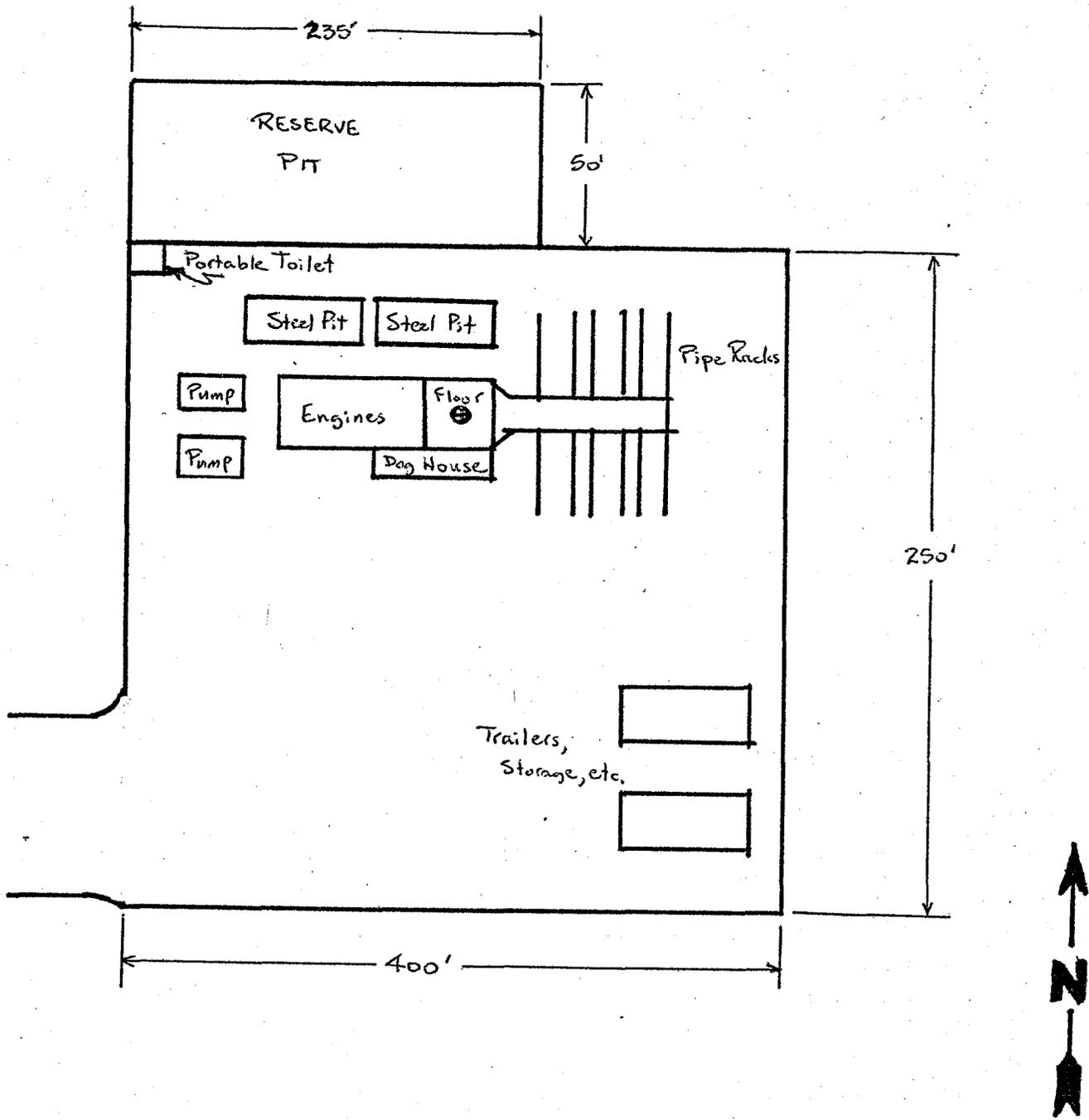
11. Plan for restoration of surface:

After operations have been completed, pits will be properly filled and leveled, the location will be cleaned, leveled, and restored to its present or an improved condition.

12. Other information:

The rig used for drilling the well will be equipped with a dual hydrolic blowout preventor having a remote control, a 10" Series 900 with 10" Series 900 Hydrill.

PLAT No. 2
Location Lay out
#1 Shenandoah - Bowknot



Read & Stevens, Inc. #1 Shenandoah-Bowknot

37. Summary of Porous zones.

Core #1 - 6804' to 6858', recovered 54', being:

- 6804-11 Black carbonaceous shale with dolomite streaks, horizontal and vertical fracturing, filled with salt, good staining and odor, bleeding gas, no visual porosity.
- 6811-20 Gray anhydrite with fractured shale, interbedded dolomite beds. Shale and dolomite had lite odor and staining, with very little fracturing.
- 6820-24 Gray, finely crystalline, shaly dolomite, highly vertical and horizontal fractures, filled with salt, some lite stain and odor.
- 6824-29 Anhydrite, gray with fractured shale, interbedded dolomite beds. Shale and dolomite had lite odor and staining, with very little fracturing.
- 6829-38 Gray dolomite, finely crystalline, with lite stain and odor, large vertical fractures 3/8 to 1/2 inch thick filled with salt.
- 6838-42 Gray shaly anhydrite, no shows, very little fracturing.
- 6842-48 Gray dolomite, finely crystalline anhydrite, lite stain and odor.
- 6848-50 Gray anhydrite.
- 6850-55 Gray shaly dolomite, anhydrite, lite stain and odor, bleeding gas and moderately fractured both vertically and horizontal, fractures filled with salt.
- 6855-58 Massive anhydrite.

Core #2 - 6858' to 6915', cored 57', rec. 49', being:

- 6858' -6864.5' anhydrite, gray, crystalline.
 - 6864.5'-6865.5' dolomite, tan, shaly, anhydritic, intensely fractured, fractures salt filled.
 - 6865.5'-6867' Anhydrite, gray, crystalline.
- Lost 8' of salt from bottom portion of core. Shale bedding planes in core #1 exhibited 16° to 18° dips.

Read & Stevens, Inc. #1 Shenandoah-Bowknot

32. Acid, shot, Fracture, Cement Squeeze, etc.

6830'-6838' - Acidized w/1500 gals 15% MCA w/2% HF acid.

6818'-6825', 6830'-6838', 6845'-6855' - Acidized w/3000 gals 15% MCA w/2% HF acid. Re-acidized w/3000 gals 15% MCA w/2% HF acid.

6804'-6812' - Acidized w/1000 gals 15% MCA w/3% HF acid.

6804'-6812', 6818'-6825', 6830'-6838', 6845'-6855' - Fraced w/40,000 gals My-T-Frac 80# gel and 50,000# 20/40 sand.

6812'-6915' - Plugged back w/Calseal.

6808'-6812' - Fraced w/10,000 gals slick water and 18,000# 20/40 sand.

6785'-6795' - No treatment.

6592'-6600' - Acidized w/1000 gals 15% MCA.

6312'-6326' - Acidized w/1000 gals 15% MCA.

6186'-6200' - Acidized w/1000 gals 15% MCA.

CHARLES B. READ
PRESIDENT

NORMAN L. STEVENS, JR.
VICE-PRESIDENT

JOHN L. ANDERSON, JR.
EXPLORATION MANAGER

Read & Stevens, Inc.

Oil Producers

P. O. Box 2126

Roswell, New Mexico 88201

July 17, 1973

Utah Division of
Oil and Gas Conservation Commission
1588 West North Temple
Salt Lake City, Utah 84111

Re: R&S, Inc. #1 Shenandoah - Bowknot
1970' FNL & 1060' FWL Sec. 21-25S-18E,
S.L.M., Grand County, Utah

Gentlemen:

Enclosed for your approval in duplicate are the following items:

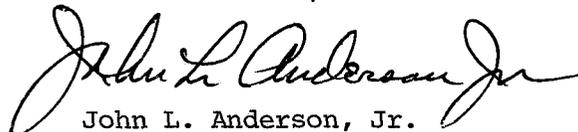
1. Application For Permit To Drill with the Surveyor's Certificate and Topographic Plat attached covering the attached well.
2. Lessee Surface Operation Plan and accompanying Plats attached also covering the attached well.

The above location deviates from Rule C-3 in that we are closer to a quarter-quarter section line than prescribed. The reason for this deviation is that Shell drilled a well within this same 40 acre tract several years ago and had severe loss circulation difficulties within the Cane Creek zone. They also experienced some deviation problems with their well. We are attempting to key off of the shows encountered in the Shell well but at the same time, we desire to place our location far enough removed to be beyond the influence of the loss circulation material used by Shell to control their well and to avoid the possibility of encountering their well bore. For these reasons, we request administrative waiver of the requirements imposed under Rule C-3.

Should anything further be required, kindly advise.

Yours Very truly,

READ & STEVENS, INC.


John L. Anderson, Jr.

JLA:bb
Encls.

July 20, 1973

Read & Stevens, Inc.
Box 2126
Roswell, New Mexico 88201

Re: Well No. Shenandoah-Bowknot #1
Sec. 21, T. 25 S, R. 18 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL-Chief Petroleum Engineer
HOME: 377-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-019-30170.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
cc: U.S. 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 "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Read & Stevens, Inc.</p> <p>3. ADDRESS OF OPERATOR P. O. Box 2126, Roswell, New Mexico 88201</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E</p> <p>14. PERMIT NO.</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. U-5949</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Shenandoah-Bowknot</p> <p>9. WELL NO. 1</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 21, T-25-S, R-18-E, SLM</p> <p>12. COUNTY OR PARISH San Juan 13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5161 GL</p>	

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Setting Casing</u> <input checked="" type="checkbox"/>	
(Other)		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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.)*

1. Spud 12 1/4" hole @ 5 P.M. 8-1-73.
2. 8-3-73, TD 307'. Ran 9 jts. of 13 3/8", 48# & 60#, H-40 & K-55, S.T.C. Casing. 295.58' set @ 290' RKB. Cemented with 165 sks. Class "A" w/6% gel and 1/4# flosele per sk. followed with 150 sks Class "C" w/2% CaCl₂. Plug down @ 7:30 A.M. 8-3-73. Cement circulated.
3. Pressure test casing to 800 p.s.i.
4. 8-8-73, TD 2790. Ran 88 jts. 8 5/8", 32#, K-55, S.T.C. Casing. 2824.65' set @ 2790' R.K.B. Cemented w/300 sks. Class "C" w/2% CaCl₂. Plug down @ 11 P.M. 8-8-73. Cement top by Temp. Survey 1405'.
5. Pressure Test casing to 2000 p.s.i. ✓

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

SIGNED *Paula Hillings* TITLE Agent DATE Aug. 30, 1973

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

April 9, 1974

Read and Stevens, Inc.
Box 2126
Roswell, New Mexico 88201

Re: Well No. Shenandoah-Bowknot #1
Sec. 21, T. 25 S, R. 18 E,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log", for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

SCHEREE DeROSE
EXECUTIVE SECRETARY

:sd

July 25, 1974

Read and Stevens, Inc.
Box 2126
Roswell, New Mexico 88201

Re: Well No. Shenandoah-Bowknot #1
Sec. 21, T. 25 S, R. 18 E,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log, for the above referred to well is due and has not yet been filed as required by our rules and regulations.

Please complete the enclosed Form OGC-3, and forward them to this office prior to August 14, 1974, together with any electric and/or radioactivity logs which were run. If this Division is not in receipt of said data by this date, we will deem it necessary to advise the Attorney General's office to take the necessary legal action to receive these reports.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

/sw

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R-424

5. LEASE DESIGNATION AND SERIAL NO.

U-5949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL GAS WELL OTHER Wildcat

2. NAME OF OPERATOR

Read & Stevens, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 2126, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E, S.L.M.

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shenandoah-Bowknot

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 21, T-25-S, R-18-E,
S. L. M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5161' GR - 5178' RKB

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Run & Cement Production casing

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Drilled 7 7/8" hole from 2790' to 6915'. Ran 192 joints 5 1/2", 17# & 20#, K-55 & N-80, LT & C casing, total 6936', set @ 6915' RKB. Cemented with 400 sx. Class "B" cement with 2% gel and 8# salt plus 3/4 of 1% CFR-2 per sx. Plug down @ 7:00 P.M., 8-23-73. WOC for 18 hrs. Pressure tested casing to 2000# for 30 min., held OK.

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

SIGNED

John L. Anderson Jr.

TITLE

Agent

DATE

8-2-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R-1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-5949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shenandoah-Bowknot

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 21, T-25-S, R-18-E,
S.L.M.

12. COUNTY OR PARISH

Grand

13. STATE

Utah

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER Wildcat

2. NAME OF OPERATOR
Read & Stevens, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 2126, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E, S.L.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5161' GR - 5178' RKB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

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.)*

On 9-6-73, TD 6915', ran Collar-Perforation Log and Cement Bond Log. Had good cement bond w/top of cement @ 4640'. Ran tubg. to 6737' with prk. set @ 6643'. Perf. 6830'-6838' w/16 jet shots (2 holes per ft.). Swabbed down and acid. perfs 6830'-6838' w/1500 gals. 15% MCA plus 2% hydrofluoric acid. Acid on spot w/4000# pressure and formation would not break. Lowered tubg. to 6850' & washed acid across perfs. Raised tubg. to 6737' & set prk. Formation broke @ 4400#. Treated @ 5000# w/inj. rate of 3.5 bbls. per min. ISDP 4250#, 5 min. SIP 4250#, 10 min. SIP 4250#. Swabbed dry w/no show oil or gas, rec total load of 65 bbls.

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

SIGNED

John L. Peterson Jr

TITLE

Agent

DATE

8-2-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-10474
P1

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Wildcat		5. LEASE DESIGNATION AND SERIAL NO. U-5949
2. NAME OF OPERATOR Read & Stevens, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2126, Roswell, New Mexico 88201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E, S.L.M.		8. FARM OR LEASE NAME Shenandoah-Bowknot
14. PERMIT NO.	15. ELEVATIONS (Show whether DP, RT, GR, etc.) 5161' GR - 5178' RKB	9. WELL NO. 1
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21, T-25-S, R-18-E, S.L.M.
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT** <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

On 9-9-73, TD 6915', perf. 6818'-6825' w/14 jet shots and 6845'-6855' w/20 jet shots. Acidized all perfs. (6818'-6855' inc.) w/3000 gals 15% MCA with 2% hydrofluoric acid, using 40 ball sealers. Pumped 15 bbls. acid & dropped 20 balls, pumped 17 bbls. acid & dropped 10 balls, pumped 20 bbls. acid & dropped 10 balls, pumped 19 bbls. acid to complete. No ball action thruout treatment. Average treating press. 4700# w/inj. rate of 3 bbls. per min. ISDP 4150#, 10 min. SIP 4150#. After treatment, found 20 ball sealers in union above valve. Swabbed & rec. all load & swab. dry. On 9-10-73, re-acidized all perfs (6818'-6855' inc.) w/3000 gals. 15% MCA with 2% hydrofluoric acid, using 60 ball sealers Had good ball action thruout. Average treating press. 5100# breaking to 4600# three times. Aver. inj. rate 3 bbls. per min. ISDP 4600#, 10 min. SIP 4600#. Swabbed & rec. all load (107 bbls.) & swabbed dry, no show oil, gas or water.

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

SIGNED John L. Anderson Jr TITLE Agent DATE 8-2-74

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42-R142

5. LEASE DESIGNATION AND SERIAL NO.

U-5949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shenandoah-Bowknot

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SUBVY OR AREA

Sec. 21, T-25-S, R-18-E, S.L.M.

12. COUNTY OR PARISH 13. STATE

Grand Utah

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER Wildcat

2. NAME OF OPERATOR
Read & Stevens, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 2126, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E, S.L.M.

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5161' GR - 5178' RKB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

On 9-12-73, perf. 6804'-6812' w/16 jet shots, set RTTS bridge plug @ 6814'. Acidize perfs 6804'-6812' w/1000 gals. 15% MCA with 3% hydrofluoric acid. Formation broke @ 3800# & treated @ 4900#, w/aver. inj. rate of 3 bbls. per min. ISDP 4100#, 5 min. SIP 4050#, 10 min. SIP 4025#. Swabbed & Rec. all load (51 bbls.) & swabbed dry, no show oil, gas or water. On 9-18-73, pulled RTTS bridge plug, set frac. pkr. @ 6757' and fraced perfs 6804'-12', 6818'-25', 6830'-38' & 6845'-55' w/40,000 gals My-T-Frac 80# gel and 50,000# 20/40 sand. Initial treating press. 7100# @ 5 BPM, final treating press. 6000# @ 14 BPM. ISDP 4300#, 15 min. SIP 4300#. Flowed back all load. On 9-23-73, swab. & rec. 5 gals light green oil w/trace gas and 17 bbls. salt water. On 9-24-73, swab. & rec. 5 gals oil w/ trace gas and 19 bbls. salt water.

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

SIGNED

John P. Anderson Jr

TITLE Agent

DATE 8-2-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other instructions on re-
verse side)

Form approved. *PZ*
Budget Bureau No. 42-R-1124
5. LEASE DESIGNATION AND SERIAL NO.

U-5949
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER Wildcat

2. NAME OF OPERATOR
Read & Stevens, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 2126, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E, S.L.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5161' GR - 5178' RKB

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shenandoah-Bowknot

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 21, T-25-S, R-18-E,
S.L.M.

12. COUNTY OR PARISH
Grand

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

On 9-30-73, plugged well back with Calseal to 6812' RKB. On 10-1-73, TD 6915', PBSD 6812', with pkr. @ 6676' and tubg. @ 6739', fraced perfs 6804'-6812' w/ 10,000 gals slick water & 18,000# 20/40 sand. Aver. treating press. 7400# @ inj. rate of 9 bbls. per min. ISDP 4100#, 5 min. SIP 4100#, total load 380 bbls. Flowed & swabbed back all load, then swabbed 100% salt water, no show oil or gas. On 10-4-73, perf. 6785'-6795' w/20 jet shots, had no increase in fluid level or pressure. Swabbed down to 4800' FS & rec. 80 bbls. salt water in 5 hrs.

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

SIGNED *John L. Anderson* TITLE Agent DATE 8-2-74

(This space for Federal or State office use)

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

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other instructions reverse side)

Form approved.
Budget Bureau No. 42-51424

5. LEASE DESIGNATION AND SERIAL NO.

U-5949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Wildcat</p> <p>2. NAME OF OPERATOR Read & Stevens, Inc.</p> <p>3. ADDRESS OF OPERATOR P. O. Box 2126, Roswell, New Mexico 88201</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p> <p>1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E, S.L.M.</p> <p>14. PERMIT NO.</p>	<p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Shenandoah-Bowknot</p> <p>9. WELL NO. 1</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21, T-25-S, R-18-E, S.L.M.</p> <p>12. COUNTY OR PARISH Grand</p> <p>13. STATE Utah</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5161' GR - 5178' RKB</p>
---	--	---

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

On 10-5-73, received verbal permission from U.S.G.S. Salt Lake City office to plug & abandon as follows:

1. Fill hole with good mud.
2. Set plugs as follows, through tubing:
 - 12 sx. cement plug 6815'-6715'
 - 12 sx. cement plug 6600'-6500'
 - 26 sx. cement plug 6300'-6100'
 - Cut and remove 5 1/2" casing
 - Cut and remove 8 5/8" casing
 - 25 sx. cement set in 5 1/2" stub
 - 35 sx. cement plug 2804'-2704'
 - 50 sx. cement set in 8 5/8" stub
 - 50 sx. cement plug 316'-216'
 - 10 sx. cement plug at surface
 - Install regulation marker.

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

SIGNED John L. Anderson Jr. TITLE Agent DATE 8-2-74

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-5949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shenandoah-Bowknot

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND-
SURVEY OR AREA

Sec. 21, T-25-S, R-18-E,
S.L.M.

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1. OIL WELL GAS WELL OTHER Wildcat

2. NAME OF OPERATOR

Read & Stevens, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 2126, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E, S.L.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5161' GR - 5178' RKB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

On 10-5-74, TD 6915', PBTD 6812', pulled tubg. & pkr. and perf. 6592'-6600', 6312'-6326', 6186'-6200' w/2 super dyna-jets per ft., total of 72 holes. Ran bridge plug, tubg. & pkr. & acidized perfs. 6592'-6600' w/ 1000 gals. 15% MCA, broke down @ 4100#, aver. treating press. 4200# @ inj. rate of 1 1/2 BPM. ISDP 4100#, 10 min. SIP 4050#. Swabbed well dry in 4 hrs., trace of gas, no oil or water. Set BP @ 6373' & pkr. @ 6306' & acidized perfs 6312'-6326' w/1000 gals. 15% MCA, broke down @ 3600#, aver. treating press. 4200# @ inj. rate of 2 1/2 BPM. ISDP 3800#, 10 min. SIP 3750#. Swab & rec. all load & swab dry, trace of gas, no oil or water. Set BP @ 6243' & pkr. @ 6149' & acidize perfs. 6186'-6200' w/1000 Gals 15% MCA, broke down @ 4000#, aver. treat. press. 4300# @ inj. rate of 2 BPM. ISDP 4000#, 10 min. SIP 4000#. Swab. & rec. all load & swab dry, trace of gas, no oil or water.

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

SIGNED

John L. Anderson

TITLE

Agent

DATE

8-2-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved. *P. F. 10424*
Budget Bureau No. 42-10424

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Wildcat</u>		5. LEASE DESIGNATION AND SERIAL NO. <u>U-5949</u>																				
2. NAME OF OPERATOR <u>Read & Stevens, Inc.</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																				
3. ADDRESS OF OPERATOR <u>P. O. Box 2126, Roswell, New Mexico 88201</u>		7. UNIT AGREEMENT NAME																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u> <u>1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E, S.L.M.</u>		8. FARM OR LEASE NAME <u>Shenandoah-Bowknot</u>																				
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>5161' GR - 5178' RKB</u>	9. WELL NO. <u>1</u>																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u>																				
<table border="0" style="width:100%;"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input checked="" type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>		NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>		11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA <u>Sec. 21, T-25-S, R-18-E, S.L.M.</u>
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																				
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>																			
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>																			
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>																			
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>																				
		12. COUNTY OR PARISH 13. STATE <u>Grand Utah</u>																				

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.)*

on 10-9-73, plugged and abandoned as follows:

Filled hole with good mud and set cement plugs through tubing as follows:

- 12 sx. cement plug 6815'-6715'
- 12 sx. cement plug 6600'-6500'
- 26 sx. cement plug 6300'-6100'
- Cut and pulled 5 1/2" casing at 3993' (Jet cutter)
- Cut and pulled 8 5/8" casing at 714' (Nitro)
- 26 sx. cement plug 4032'-3932'
- 35 sx. cement plug 2804'-2704'
- 50 sx. cement plug 725'- 625'
- 50 sx. cement plug 316'- 216'
- 10 sx. cement plug 10'- 0'
- Installed regulation marker

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

SIGNED *John L. Anderson Jr* TITLE Agent DATE 8-2-74

(This space for Federal or State office use)

APPROVED BY *E. L. Guyer* TITLE ACTING DISTRICT ENGINEER DATE SEP 26 1974

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

USGS Annual Oil & Gas Conservation Comm. Utah

RECEIVED
 SEP 27 1974
 DISTRICT ENGINEER
 GRAND COUNTY, UTAH

SUBMIT IN DUPLICATE*

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

U-5949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shenandoah-Bowknot

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 21, T-25-S, R-18-E, S.L.M.

12. COUNTY OR PARISH
Grand

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR

Read & Stevens, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 2126, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface
1970' FNL & 1060' FWL Sec. 21, T-25-S, R-18-E, S.L.M.
At top prod. interval reported below
Same
At total depth
Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 8-1-73 16. DATE T.D. REACHED 8-22-73 17. DATE COMPL. (Ready to prod.) 10-9-73 18. ELEVATIONS (DF, RKB, RT, GH, ETC.)* 5161' GR - 5178' RKB 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 6915' RKB 21. PLUG, BACK T.D., MD & TVD - 22. IF MULTIPLE COMPL., HOW MANY* - 23. INTERVALS DRILLED BY - ROTARY TOOLS - CABLE TOOLS - 0'-6915' None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None - Plugged & Abandoned 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Acoustic cement Bond, Micro-Seismogram; Gamma Ray, Caliper-Comp. Density, Neutron Porosity; Compensated Density Log 27. WAS WELL CORED Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48# & 60#	290' RKB	17"	315 sx. - circulated	None
8 5/8"	32#	2790' RKB	11"	300 sx. Class "C"	714'
5 1/2"	17# & 20#	6915' RKB	7 7/8"	400 sx. Class "B"	3993'

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	SIZE	TYPE	REMARKS	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6845'-6855'	w/20	jet	shots	See attachment for description	
6830'-6838'	w/16	jet	shots		
6818'-6825'	w/14	jet	shots		
6804'-6812'	w/16	jet	shots		
6785'-6795'	w/20	jet	shots		
6592'-6600'	w/16	jet	shots		
6312'-6326'	w/28	jet	shots		
6186'-6200'	w/28	jet	shots		

33.* PRODUCTION DATE FIRST PRODUCTION None PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) Plugged & Abandoned

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS
2 copies of above logs, deviation report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED John L. Anderson Jr TITLE Agent DATE 8-2-74

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Wingate	0'	310'	Gray & red sand, siltstone & shale	T/Wingate	310'	+4868
Chinle	310'	538'	Red sand	T/Chinle	538'	+4640
Shinarump	538'	848'	Red siltstone, red sand, red & green shale	T/Shinarump	848'	+4330
Moenkopi	848'	858'	Gray sand	T/Moenkopi	858'	+4320
White Rim	858'	1410'	Red & Gray sand, red & green shale	T/White Rim	1410'	+3768
Cutler	1410'	1620'	White sand	T/Cutler	1620'	+3558
Hermosa	1620'	2846'	Red & gray sand, red & gray shale, gry-brn. lime.	T/Hermosa	2846'	+2332
Salt	2846'	4106'	Gray shale, lt. & drk. gray lime, gray sand	T/Salt	4106'	+1072
Cane Creek	4106'	TD	Clear crystalline salt w/anh. , shale & dolomite inclusions.	T/Cane Creek zone	6800'	-1622
Core #1	6800'	6858'	Interbedded black shale, anhydrite & dolomite.	B/Cane Creek zone	6867'	-1689
Core #2	6858'	6915'	See attachment for description.			
			See attachment for description.			
			NO DST'S			

CHARLES B. READ
PRESIDENT

NORMAN L. STEVENS, JR.
VICE-PRESIDENT

JOHN L. ANDERSON, JR.
EXPLORATION MANAGER

Read & Stevens, Inc.

Oil Producers

P. O. Box 2126

Roswell, New Mexico 88201

August 8, 1974

MP
P-1

State of Utah
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Re: Read & Stevens, Inc. #1 Shenandoah-Bowknot
1970' FNL & 1060' FWL Sec. 21-25S-18E
Grand County, Utah

Gentlemen:

Enclosed for completion of your file on the captioned well are the following items:

1. Three copies each of eight appropriate Sundry Notices and Reports for the above well.
2. Three copies of Well Completion Report and Log.
3. One copy of all logs run on said well.
4. One copy of Sample log on said well.

We sincerely apologize for the inordinate delay in furnishing these forms.

Yours very truly,

READ & STEVENS, INC.

John L. Anderson, Jr.
John L. Anderson, Jr.

JLA/sw

Enc.