

FIELD NOTATIONS

Entered in NID File ✓
Location Map Pinned
Card Indexed ✓

Checked by Chief *[Signature]*
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed *10-28-69*

Location Inspected

W..... WW..... TA.....

Bond released

SW..... OS..... PA..... ✓

State or Fee Land

LOGS FILED

Driller's Log. *11-10-69*

Electric Logs (No.) *11*.....

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**

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 **Exploratory** SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Shell Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 999, Bakersfield, California

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface **1430' south and 892' west from northeast corner, Sec. 20, T. 25 S., R. 18 E., S.L.B. &M.**
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
NW SE NE

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
1430'	2560	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
1718'	7300' 7300'	Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	22. APPROX. DATE WORK WILL START*	
5125' GR.	September 10, 1969	

5. LEASE DESIGNATION AND SERIAL NO.
Sanford CR #4
U 5949

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Federal #1

9. WELL NO.
1-20

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 20, T. 25 S., R. 18 E., S.L.B. &M.

12. COUNTY OR PARISH
Grand

13. STATE
Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"		40±'	
12-1/4"	9-5/8"	36#	2100±'	700 sacks.

Surface formation, Kayenta:

1. Drill 26" hole to 40±' and set 20" subconductor pipe.
2. Drill 12-1/4" hole to 2100±'. Run and cement 2100±' of 9-5/8", 36#, J-ST&C to surface with 700 sacks of cement.
3. Install 10" Series 900 hydraulically operated dual Shaffer gate and GK Hydrill with Payne closing unit.
4. Drill 8-3/4" hole to 7300±'.

Note: This is a prospect well, and casing program will depend upon formations encountered. We request this information be treated as confidential. ✓

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 *JAMES D. [Signature]* TITLE _____ DATE **SEP 4 1969**

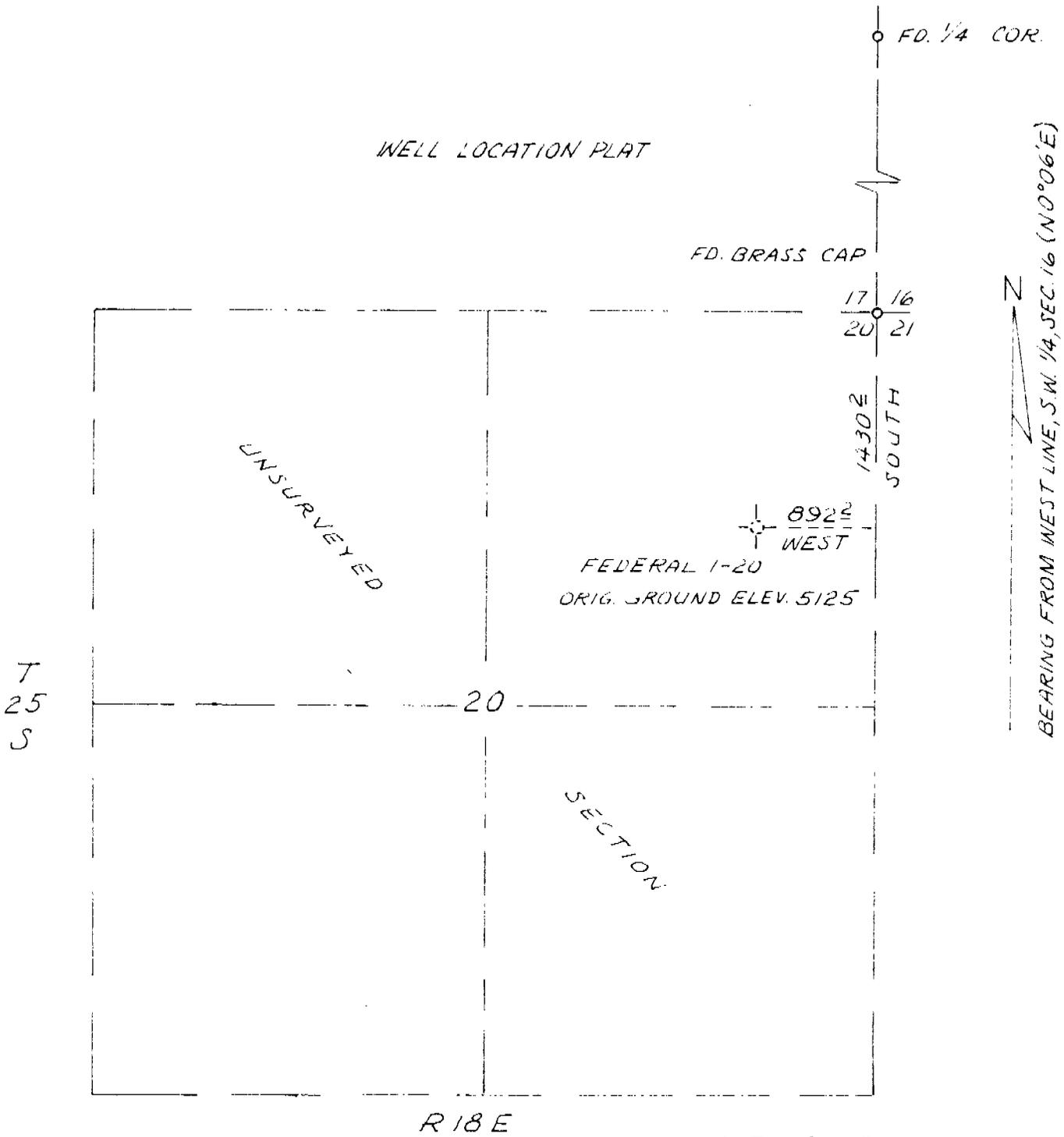
(This space for Federal or State office use)

PERMIT NO. **13-019-30043** APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

WELL LOCATION PLAT



T
25
S

R 18 E

SECTION

UNSURVEYED

FD. BRASS CAP

17 16
20 21

1430'
SOUTH

892'
WEST

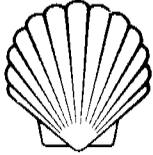
FEDERAL 1-20
ORIG. GROUND ELEV. 5125

BEARING FROM WEST LINE, S.W. 1/4, SEC. 16 (N 0° 06' E)

John E. Klesh
UTAH REG'D LAND SURVEYOR No 1963

SHELL OIL COMPANY
FEDERAL 1-20 WELL LOCATION IN
NE 1/4 SECTION 20, T25S, R18E,
SALT LAKE B. & M.
GRAND COUNTY, UTAH
SCALE: 1"=1000' AUGUST 30, 1969
TRANSIT-CHAIN SURVEY

ELEV. FROM U.S.G.S Δ WHITE, SEC 9 (5484)
BY VERTICAL ANGLES



SHELL OIL COMPANY

POST OFFICE BOX 999
BAKERSFIELD, CALIFORNIA 93302

SEP 4 1969

U. S. Department of the Interior
Geological Survey
Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

Attention Mr. F. A. Salwerowics

Gentlemen:

Attached are the following items (in triplicate) pertaining to our proposed wildcat, Shell Federal 1-20, in the Southeast quarter of the Northeast quarter of Section 20, Township 25 South, Range 18 East, Grand County, Utah:

1. Application for Permit to Drill
2. Survey Plat

We request an exception to the Code of Federal Regulations, Title 30, paragraph 221.20(a) - Well Location Restrictions. The proposed location is on a portion of a seismic line where we have maximum geologic control. We shall not subdivide the 80 acres comprising the East half of the Northeast quarter of Section 20 by making an assignment of the Northeast quarter of the Northeast quarter of Section 20.

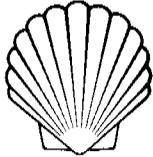
Very truly yours,

Original signed by
F. A. MacDougall

F. A. MacDougall
Division Production Manager
San Joaquin Division

Attachments

cc - State of Utah
Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah
Attention Mr. C. B. Feight, Director



SHELL OIL COMPANY

POST OFFICE BOX 999
BAKERSFIELD, CALIFORNIA 93301

SEP 4 1969

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

Attention Mr. C. B. Feight, Director

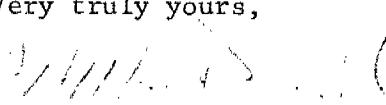
Gentlemen:

Attached are the following items (in triplicate) pertaining to our proposed wildcat, Shell Federal 1-20, in the Southeast quarter of the Northeast quarter of Section 20, Township 25 South, Range 18 East, Grand County, Utah:

1. Application for Permit to Drill
2. Survey Plat

We request an exception to the State of Utah spacing regulations under Rule C-3 (c). The proposed location is on a portion of a seismic line where we have maximum geologic control. Shell controls all oil and gas leases within a 660-foot radius of the proposed location.

Very truly yours,


F. A. MacDougall
Division Production Manager
San Joaquin Division

Enclosures

September 8, 1969

Shell Oil Company
P.O. Box 999
Bakersfield, California

Re: Well No. Federal #1-20
Sec. 20, T. 25 S, R. 18 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well on said unorthodox location is hereby granted in accordance with Rule C-3(c).

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: 277-2890 - Salt Lake City
OFFICE: 328-5771

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed with this correspondence please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your cooperation with respect to completing this form will be greatly appreciated.

Shell Oil Company
September 8, 1963
Page 2

The API number assigned to this well is 43-019-30043 (see Bulletin D-12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
Enclosures

cc: U.S. Geological Survey
8416 Federal Building
Salt Lake City, Utah 84111

**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.
**Sanford C.R. No. 4
U5949**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N.A.

7. UNIT AGREEMENT NAME

N.A.

8. FARM OR LEASE NAME

Federal No. 1

9. WELL NO.

No. 1-20

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

**Section 20, T. 25 S.,
R. 18 E., S.L.B. & M.**

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1.

OIL WELL GAS WELL OTHER **Exploratory**

2. NAME OF OPERATOR

Shell Oil Company

3. ADDRESS OF OPERATOR

1600 Morris Road, Bakersfield, California

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

See also space 17 below.)
At surface **1430' south and 892' west from the northeast corner
of Section 20, T. 25 S., R. 18 E., S.L.B. & M.**

14. PERMIT NO. **API**

43-019-30043

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

GR. 5125', 5143' D.F.

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Monthly Report of Operations	

(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.)*

Month of September 1969:

On 9-10-69 set conductor casing at 29' and spudded hole at 6:00 A.M. with 12-1/4" bit. Drilled to 2085'. On 9-16-69 ran Dresser Atlas Logs: S.P.-D.I.L. 31-2081', Acustilog 31-2074' and took 10 S.W.S. Cemented 9-5/8", 36#, J-55 casing at 2085', with 550 sacks Class A cement with 8% gel, followed by 250 sacks Class A cement with 3% CaCl₂. Pumped 150 sacks Class A cement with 8% gel in conductor-surface casing annulus. Cement to surface. Drilled to 3996'. On 9-23-69 cored from 3996-4053', recovered 55.8'. On 9-27-69, ran Schlumberger S.P.-D.I.L., G.R.-B.H.C. Sonic, G.R.-F.D.C. and G.R.-S.N.P. from 2085-4057'. Drilled to 4842'. On 9-30-69, ran D.S.T. No. 1 (4811-4842'). Recovered 150' mud, no hydrocarbons. Depth at month's end 4842'. Preparing to resume drilling.

NOTE: We request this information be treated as confidential.

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

SIGNED _____

TITLE _____

DATE

OCT 23 1969

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Feb 1-20

John Jancy
Shell

71 = 6503' = Cal. 520' fill up.

T.D. = 7850

Mess 7485

Mess calc free point

① 200' play @ Mess = 7485

② 200' play in & out of slab

③ 100' play top of calc

④ 100' play top Penn.

⑤ top of Permian behind

surface ~~top~~ (no Navajo casing)
at 2085 - 100' in in & out

⑥ Play at surface / under / 100' ^{100'} ^{met} ^{below} ^{play}

10/20/69
PMB

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.
Sanford C.R. No. 4
05949

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

7. UNIT AGREEMENT NAME
N.A.

8. FARM OR LEASE NAME
Federal No. 1

9. WELL NO.
No. 1-20

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA
**Section 20, T. 25 S.,
R. 18 E., S.L.B. 6M.**

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 **Exploratory**

2. NAME OF OPERATOR
Shell Oil Company

3. ADDRESS OF OPERATOR
1600 Norris Road, Bakersfield, California

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface **1430' south and 892' west from the northeast corner of
Section 20, T. 25 S., R. 18 E., M.D.B. 6M.**

14. PERMIT NO. **API
43-019-30043**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR. 5125', D.F. 5143'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Running and Cementing 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.)*

On October 8, 1969, 7" casing was landed and cemented at 6563', with 200 sacks of Class "A" cement, mixed with 12 lbs. of salt per sack, blended with 75% C.F.R.-2. Had good returns while cementing. Displaced one top plug with 257 bbls. of mud, final pressure 2500 psi, all 16.5# slurry.

NOTE: We request this information be treated as confidential.

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

SIGNED



TITLE

DATE **OCT 27 1969**

(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 THIS MANNER*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**Sanford C.R. #4
U3949**

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. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Exploratory</p> <p>2. NAME OF OPERATOR Shell Oil Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 999, 1600 Morris Road, Bakersfield, California</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1430' south and 892' west from the northeast corner of Section 20, T. 25 S., R. 18 E., S.L.B. 6M.</p> <p>14. PERMIT NO. API 43-019-30043</p>	<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME N.A.</p> <p>7. UNIT AGREEMENT NAME N.A.</p> <p>8. FARM OR LEASE NAME Federal #1</p> <p>9. WELL NO. #1-20</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 20, T. 25 S., R. 18 E., S.L.B. 6M.</p> <p>12. COUNTY OR PARISH Grand</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR. 5125', D.F. 5143'</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) _____	
(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.)*

Cut 7" casing at free point and pull (cemented at 6563' with 200 sacks).

Place cement plugs as follows:

<u>Plug Length</u>	<u>Interval</u>
350'	7235-7585'
482'	3868-4350'
200'	2700-2900'
200'	1957-2157'
20'	Surface-20'

Mud in hole, 10.40/gal.

Note: We request this information be treated as confidential.

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

SIGNED _____ TITLE Division Production Mgr. DATE NOV 5 1969

(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.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**Sanford C.A. No. 4
U5949**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N.A.

7. UNIT AGREEMENT NAME

N.A.

8. FARM OR LEASE NAME

Federal No. 1

9. WELL NO.

No. 1-20

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

**Section 20, T. 25 S.,
R. 18 E., S.L.B. &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 **Exploratory**

2. NAME OF OPERATOR

Shell Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 999, Bakersfield, California 93302

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

At surface **1430' south and 892' west from the northeast corner
of Section 20, T. 25 S., R. 18 E., S.L.B. &M.**

14. PERMIT NO. **API**

43-019-30043

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

GR. 5125', D.F. 5143'

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*

Monthly Report of Operations
(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.)*

Month of October 1969:

**Drilled from 5175-5262'. On 10-2-69 cut Core No. 2 from 5262-5322', recovered 60'.
Drilled from 5322-5688', lost circulation. Mixed 75 sacks LCM. Drilled to 6564'.
On 10-6-69 ran LL-3, GR-SNP, GR-FDC, GR-BHC Sonic logs from 4057-6564'. On 10-8-69
ran and cemented 7" casing at 6563' with 200 sacks Class A cement. Drilled to 6647'.
On 10-12-69 cut Core No. 3 from 6647-6673', recovered 24'. Drilled to T.D. at 7856'.
On 10-25-69 ran Schlumberger GR-LL3, GR-SNP, GR-FDC, and GR-BHC, Sonic, Seismic
Reference, Gravimeter, and Dipmeter surveys. On 10-26-69 ran open-ended D.P. to
7585' and placed cement Plug No. 1 from 7235-7585' with 138 sacks Class A cement.
Cut 7" casing at 4250' and pulled. On 10-27-69 ran open-ended D.P. to 4350' and
placed cement Plug No. 2 from 3868-4350' with 204 sacks Class A cement. Pulled D.P.
to 2900' and placed cement Plug No. 3 from 2700-2900' with 88 sacks Class A cement.
Pulled D.P. to 2157' and placed cement Plug No. 4 from 1957-2157' with 88 sacks
Class A cement. On 10-28-69 placed cement Plug No. 5 from surface to 20' inside
surface casing with 20 sacks Class A cement. Installed well marker. Released rig
10-28-69.**

NOTE: We request this information be treated as confidential.

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

SIGNED

[Signature]

TITLE

Division Production Mgr.

DATE

NOV 6 1969

(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 THIS MANNER*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
**Sanford C.R. No. 4
U5949**

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. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> WATER WELL Exploratory</p> <p>2. NAME OF OPERATOR Shell Oil Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 999, Bakersfield, California 93302</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1430' south and 892' west from the northeast corner of Section 20, T. 25 S., R. 18 E., S.L.B. &M.</p> <p>14. PERMIT NO. API 43-019-30043</p>	<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME N.A.</p> <p>7. UNIT AGREEMENT NAME N.A.</p> <p>8. FARM OR LEASE NAME Federal No. 1</p> <p>9. WELL NO. No. 1-20</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 20, T. 25 S., R. 18 E., S.L.B. &M.</p> <p>12. COUNTY OR PARISH Grand 13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR. 5125', D.P. 5143'</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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <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.)*

10-26-69 - Ran open-ended D.P. to 7585'. Placed cement Plug No. 1 from 7235'-7585' (138 sacks Class A cement plus 0.5% HR-4). Cut 7" casing at 4250' and pulled.

10-27-69 - Ran open-ended D.P. to 4350'. Placed cement Plug No. 2 from 3868'-4350' (204 sacks Class A cement plus 0.5% HR-4). Pulled D.P. to 2900'. Placed cement Plug No. 3 from 2700-2900' (88 sacks Class A cement plus 3% CaCl₂). Pulled D.P. to 2157'. Placed cement Plug No. 4 from 1957-2157', 88 sacks Class A cement plus 3% CaCl₂.

10-28-69 - Placed cement Plug No. 5 from surface to 20' inside surface casing with 20 sacks Class A cement. Installed well marker.

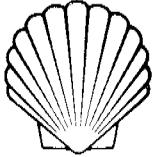
NOTE: We request this information be treated as confidential.

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

SIGNED *[Signature]* TITLE **Division Production Mgr.** DATE **NOV 5 1969**

(This space for Federal or State office use)

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



SHELL OIL COMPANY

POST OFFICE BOX 999
BAKERSFIELD, CALIFORNIA 93302

NOV 7 1988

**Well Completion Report
Shell Federal No. 1-20
Grand County, Utah**

**U. S. Geological Survey
Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111**

Attention Mr. F. A. Salwerowicz

Gentlemen:

Attached in duplicate is the Well Completion Report (Form 9-330) for the captioned well. As stated previously, when transmitting completion reports for earlier wells, we are postponing filing of the logs pending release of same by our Exploration Department.

Very truly yours,

Original signed by
F. A. MacDougall

**F. A. MacDougall
Division Production Manager
San Joaquin Division**

Attachments

cc - Division of Oil and Gas Conservation (w/2 copies of attach.)
1588 West North Temple
Salt Lake City, Utah
Attention Mr. C. B. Feight

FORM OGC-8-X

FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal #1-20
Operator Shell Oil Company Address 1600 Norris Road
Bakersfield, Calif. Phone 399-5541
900 Wilshire Blvd. Rm. 1242
Contractor Loffland Bros. Rig #237 Address Los Angeles 17, Calif. Phone _____
Location SE 1/4 NE 1/4 Sec. 20 T. 25 **R. 18 E Grand County, Utah
S **

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. <u>No fresh water sands encountered in this well.</u>			
2. _____			
3. _____			
4. _____			
5. _____			

(Continue on reverse side if necessary)

Formation Tops:

Remarks:

- NOTE:
- (a) Upon diminishing supply forms, please inform this office.
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
 - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.
Sanford C.R. No. 4 U5949

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

7. UNIT AGREEMENT NAME
N.A.

8. FARM OR LEASE NAME
Federal No. 1

9. WELL NO.
No. 1-20

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY
Section 20, T. 25 S., R. 13 E., S.L.B. &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 DEEPEN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Shell Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 999, Bakersfield, California

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **1430' south and 892' west from the northeast corner of Section 20, T. 25 S., R. 13 E., S.L.B. &M.**
At top prod. interval reported below
At total depth

14. PERMIT NO. **API** DATE ISSUED **9-8-69**
43-019-30043

15. DATE SPUNDED **9-10-69** 16. DATE T.D. REACHED **10-24-69** 17. DATE COMPL. (Ready to prod.) **Abandoned 10-28-69** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **G.R. 5125', D.F. 5143'** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **7856'** 21. PLUG, BACK T.D., MD & TVD **Surface** 22. IF MULTIPLE COMPL., HOW MANY* **--** 23. INTERVALS DRILLED BY **0-7856'** ROTARY TOOLS **0-7856'** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
SP-DLL, GR-FDC, GR-SNP, GR-BHC Sonic, LL-3, Dipmeter

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
20"		29'	26"		--
9-5/8"	36	2085'	12-1/4"	550 Sks+8% gel and 250 Sks+3% CaCl ₂ *	
7"	23	6563'	8-3/4"	200 Sacks	4250'
					*150 Sks+8% gel around top.

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					None		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
None		

31. PERFORATION RECORD (Interval, size and number)
None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.* PRODUCTION

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

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

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

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

SIGNED William J. ... TITLE **Division Production Mgr.** DATE **NOV 7 1968**

*(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 38, 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 35.

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 38. 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.

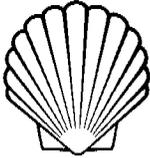
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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	TOP TRUE VERT. DEPTH												
D.S.T. #1	4811'	4842'	<p>No fresh water cushion. Weak initial blow increasing to good in 5 minutes. Weak final flow. Recovered 150' mud, no hydrocarbons. ISIP 1286 psi (2 hrs.), IFP 49 psi (5 min.), FFP 117 psi (2 hrs.), FSIP 252 psi (6 hrs.). Tool open 2 hrs. 5 min.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">Core</td> <td style="text-align: center;">Interval</td> <td style="text-align: center;">Recovery</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">3996-4053'</td> <td style="text-align: center;">55.8'</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">5262-5322'</td> <td style="text-align: center;">60'</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">6647-6673'</td> <td style="text-align: center;">24'</td> </tr> </table>	Core	Interval	Recovery	1	3996-4053'	55.8'	2	5262-5322'	60'	3	6647-6673'	24'			
Core	Interval	Recovery																
1	3996-4053'	55.8'																
2	5262-5322'	60'																
3	6647-6673'	24'																



SHELL OIL COMPANY

POST OFFICE BOX 999
BAKERSFIELD, CALIFORNIA 93301

MAR 5 1970

Logs - Shell Federal 1-20
Section 20, T. 25 S., R. 18 E.,
Grand County, Utah

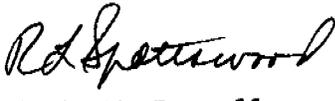
State of Utah
Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Gentlemen:

Enclosed are one copy each of the logs run on the referenced well: mud log, dual induction laterolog, laterolog, formation density log, and sidewall neutron porosity log.

We would appreciate your keeping these logs confidential for the seven-month period permitted by the Regulations.

Very truly yours,

for 

F. A. MacDougall
Division Production Manager
San Joaquin Division

Enclosures