

Subsequent Report of Abandonment

FILE NOTATIONS

Entered in NID File

Entered On SR Sheet

Location Map Filled

Card Indexed

TWR for State or Fee Land

Checked by Chief CWB

Copy NID to Field Office

Approval Letter

Disapproval Letter

CONVENTION DATA:

Date Well Completed 12-25-67

GW..... WW..... TA.....

GW..... OS..... PA

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log 1-15-68

Electric Logs (No.) 5

E..... I..... E-I..... GR..... GR-N Micro.....

Lat. 42° 45' N Mi-L..... Sonic GR..... Others.....

- 1 - Compensated formation density log
- 1 - Section gauge

CWB
03/19/82

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

5. LEASE DESIGNATION AND SERIAL NO.
U-029009

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Hungy's Fork

8. FARM OR LEASE NAME
Government

9. WELL NO.
411-26

10. FIELD AND POOL, OR WILDCAT
Bridger Lake Field (Dakota)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE/4 SE/4 Section 28-7 22-2 14E

12. COUNTY OR PARISH
Summit

13. STATE
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
Shell Oil Company (Rocky Mountain Division Production)

3. ADDRESS OF OPERATOR
1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface **1520' F&L and 1220' F&L Sec 28**
 At proposed prod. zone **SW NE SE**

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **1220'**

16. NO. OF ACRES IN LEASE **2,577.41**

17. NO. OF ACRES ASSIGNED TO THIS WELL **320**

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **None**

19. PROPOSED DEPTH **16,000'** ✓

20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.) **9500 GL (Est)**

22. APPROX. DATE WORK WILL START* **4-15-67**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

As per attached drilling prognosis and certified survey plat.

**2 cc: Utah Oil and Gas Conservation Commission
348 East South Temple
Suite 301
Salt Lake City, Utah 84111**

API 43-043-20009

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. ORIGINAL SIGNED BY **D. S. [Signature]** TITLE **Division Exploitation Eng.** DATE **March 27, 1967**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

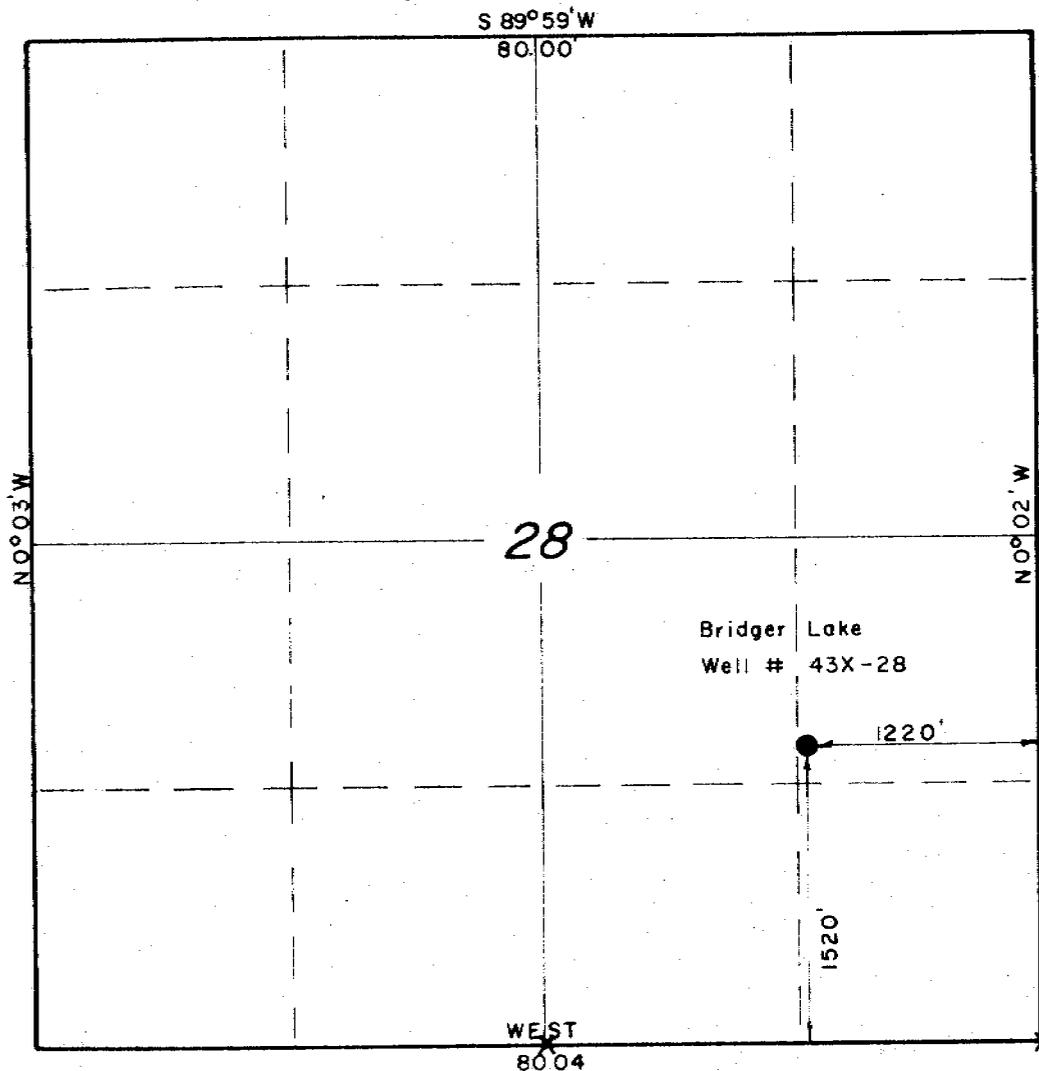
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Bill Lang

T3N, R14E, SLB&M



X = Corners Located (Stone)

PROJECT

SHELL OIL COMPANY

WELL LOCATION GOV'T. 43X-28, LOCATED AS SHOWN IN THE NE 1/4-SE 1/4, SEC. 28, T3N, R14E, SLB&M, SUMMIT COUNTY, UTAH.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Wilson
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 2454, UTAH

Uintah Engineering & Land Surveying BOX Q VERNAL, UTAH	SCALE	DATE
	1" = 1000'	14 Oct. 1966
	PARTY	REFERENCES GLO Township
	N. J. Marshall - L. D. Taylor	Plat
WEATHER	FILE	
Cloudy - Cold	Shell Oil Co.	

DRILLING PROGNOSIS
BRIDGER LAKE AREA, GOV'T. 43X-28

LOCATION: NE/4 SE/4 Section 28-T3N-R14E Summit County, Utah
ELEV: 9650'
EST. TD: 16,000'

1. Drill 17 $\frac{1}{2}$ " hole to 200'+.
2. Run 13 3/8" casing to 200'+. Cement casing w/cement treated w/CaCl₂. Re-cement if cement returns are not obtained. WOC 12 hours. (13 3/8" 454.5# J-55 ST & C)
3. Install casing head and drilling nipple. Casing head should be approximately 18" below ground level.
4. Drill 12 $\frac{1}{4}$ " hole to 3000'+.
5. Run 9 5/8" casing to 3000'+ and cement to surface with 1:1 surface pozmix. WOC 24 hours. (9 5/8" - 40# J-55 LT & C)
6. Flange up casing and install blowout prevention equipment and casing head wear flange (as per Shell Drawing Z1-1141, BOP for High Pressure Wells). Test BOP equipment and casing w/1500 psi for 15 minutes before drilling casing shoe.
7. Drill 8 3/4" hole to 16,000'+*. See mud program for mud details.
8. Run surveys, cores, and DST's as directed.
9. Supplementary work sheet will cover casing and completion or abandonment.

- Notes:
- a) Check BOP equipment daily and enter operating condition on tour report.
 - b) Use drill pipe casing protectors and casing head wear ring at all times while drilling in casing.
 - c) Record drilling time on penetration rate recorder from surface to T.D.
 - d) Tally D.P. at 7500', 11,500', 15,000' and T.D. and/or prior to cores or DST's. Retally discrepancy of more than 3'. Enter tally on tour report.
 - e) Collect 20-foot samples from surface to 14,000'. Logging Trailer Service will catch 10-foot samples from 14,000' to T.D.
 - f) Measure hole deviation at 500' intervals or less and record on tour report. Maintain within following limits:

Surface to 200'	not more than 1°
200' to 3000'	2°
3000' to 6000'	3°
6000' to 9000'	4°
9000' to 12,000'	5°
12,000 to 14,000'	6°
14,000 to 16,000'	7°

Rate of change not to exceed 1 $\frac{1}{2}$ ° per 100' interval
 - g) Provide for two DST's in Dakota.
 - h) Provide for 60' core.

*Depths to be determined by Exploitation Engineer.

Nearest Lease Line - 1220' east.


D. S. Wartick

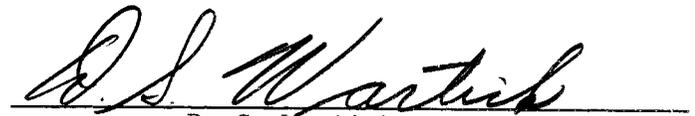
AS
~~AS~~
JRS/rjh
3/9/67

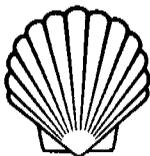
MUD PROGNOSIS
 GOVERNMENT 43X-28, BRIDGER LAKE AREA
 SECTION 28-T3N-R14E
 SUMMIT COUNTY, UTAH

<u>Depth</u>	<u>Type Mud</u>	<u>Weight #/gal</u>	<u>API Water Loss (max)</u>	<u>Plastic Viscosity</u>	<u>Blown Asphalt</u>
0' - 3000'	Lignite-Cypan	As req'd	10 cc	As needed	None
3000' - 12,500	Lignite-Cypan Blown Asphalt	< 9.0	10 cc	< 10 cp	5%
12,500' - T. D.	Lignite-Lignosulfonate- Cypan-Blown Asphalt	< 9.5	2 cc* (Note 2)	< 20 cp	5%

1. In order to achieve the predicted drilling rates, it is essential to maintain the plastic viscosity of the mud at the prescribed values. This is expected to result in hole fill which can best be handled by increasing the Cypan concentration which will increase the yield point of the mud. For less than 100 feet of soft fill after trip, adjustment should not be made.
2. Fluid loss should be reduced to 2 cc prior to drilling the Hilliard to inhibit the Hilliard shale through reduced dynamic filtration loss. This is in preference to increased mud weight to control shale sloughing. Depending on the chemical reactivity of the Hilliard shale, the lignosulfonate concentration may be increased to 10-12 pounds per barrel. Consult with Division prior to drilling the Hilliard.
3. Blown Asphalt can be obtained from the Husky Oil Company Refinery at Cody, Wyoming.
4. Use desander and desilter at all times. Daily, check desander and determine underflow mud weight and loss. Record weight and loss on daily drilling and mud report. Desander should be shut-down for at least one circulation after adding a quantity of chemical.

RS
 JRS/rjh
 3/10/67


 D. S. Wartick



SHELL OIL COMPANY

1700 BROADWAY
DENVER, COLORADO 80202

March 29, 1967

Subject: Shell-Government 43X-28
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 28-3N-14E
Bridger Lake Field
Henry's Fork Unit
Summit County, Utah

Mr. Cleon B. Feight
Utah Oil and Gas Conservation Commission
348 East South Temple, Suite 301
Salt Lake City, Utah 84111

Dear Mr. Feight:

We have recently submitted notification of intention to drill a 16,000-foot Dakota test at the captioned location. Shell Oil Company is the owner of U. S. Oil and Gas Lease U-029009 and proposes to drill a test on the leased premises at a location in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ 1,520 feet from the south line and 1,220 feet from the east line of Section 28.

Rule C-3 - General Well Spacing Requirements of the State of Utah Oil and Gas Conservation Commission requires that no well be located less than 500 feet from any property or lease line or from the boundary of any legal subdivision comprising a governmental quarter-quarter section. Rule C-3(c) states, however, that the Commission may grant an exception to the requirements under the 40-acre rule without notice and hearing if an unorthodox location is required because of topographical conditions and the ownership of all oil and gas leases within a radius of 660 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location. .

As you are aware, Shell Oil Company has applied for a federal unit; namely, Henry's Fork Unit which will be comprised of approximately 14,485 net acres, including Sections 16, 21, 28 and 33, Township 3 North, Range 14 East and other acreage lying directly west and southwest in Townships 2 and 3 North, Range 13 East. The unit outline has been approved by the United States Geological Survey but final unit approval has not yet been received. Preliminary surface inspection of the proposed drillsite, which lies within the bounds of the Wasatch National Forest has indicated the surface terrain to be mountainous and timber covered. A forest ranger accompanied our drilling personnel to the location and staked a site which would alleviate the destruction of considerable timber and provide the easiest access road in

Mr. Cleon B. Feight

2

this immediate vicinity. We are extremely anxious to commence timber removal and location dirt work prior to the spring thaw. We request, therefore, that the Commission waive its 40-acre location rule in lieu of the anticipated forthcoming federal unit approval as well as the surface topographic obstructions in the SE $\frac{1}{4}$ of Section 28 in which Shell Oil Company owns all interest within 660 feet of the proposed location.

In conjunction with the drilling and completion of the proposed test, we would appreciate your holding confidential all data submitted to you by Shell Oil Company for a period of at least six months following the completion of the test. We understand that it is necessary to release the location of this test to the general public.

If we can supply additional information necessary to acquire the location exception, please advise.

Yours very truly,



J. W. Zoller
Division Production Manager
Rocky Mountain Division

March 30, 1967

Shell Oil Company
1700 Broadway
Denver, Colorado 80202

Re: Well No. Government #43X-28,
Sec. 28, T. 3 N., R. 14 E.,
Summit County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted in accordance with Rule C-3(a) General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

* 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: 277-2880 - Salt Lake City, Utah
OFFICE: 328-5771 - 328-5772 - 328-5773

This approval terminates within 90 days if the well has not been spudded-in within said period. Enclosed please find Form OGCC-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

-2-

March 30, 1967

The API number assigned to this well is 43-043-20209
(see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

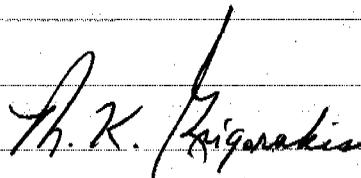
CBF:sc

cc: U. S. Geological Survey
Rodney Smith, District Engineer
8416 Federal Building
Salt Lake City, Utah

INTEROFFICE MEMORANDUM

TO	OIL AND GAS CONSERVATION COMMISSION SALT LAKE CITY, UTAH ATTENTION: MR. CLEON FREIGHT	DATE	JULY 14 1967
FROM	M. K. GRIGORAKIS - SHELL OIL COMPANY ROCKY MOUNTAIN DIV. PRODUCTION DEPT.	SUBJECT	REVISED DRILLING PROGNOSSES GOVERNMENT 43X-28
COPIES TO		REPLYING TO YOUR LETTER	HENRY'S FORK UNIT BRIDGER LAKE FIELD SUMMIT COUNTY, UTAH

Attached are three (3) copies of the revised drilling prognoses to inform you of our intended revised drilling procedures.



(Miss) M. K. Grigorakis

Attachments

REVISED DRILLING PROGNOSIS

GOVERNMENT 43X-28
HENRY'S FORK UNIT
BRIDGER LAKE FIELD

LOCATION: NE, SE, Section 28, T3N, R14E, Summit County, Utah
ELEV: 9,650'
EST. TD: 16,000'

1. Drill 26" hole to 200'±.
2. Run 20" casing to 200'±. Cement casing w/cement treated w/CaCl₂. Recement if cement returns are not obtained. WOC 12 hours.
3. Install 20" Series 600 casing head, choke spool, and 20" Series 600 Hydril.
4. Drill 12 1/4" hole. If water flow and/or excessive sloughing occur relatively shallow (800'±), will plan to open hole to 17 1/2". Run 13 3/8" casing and cement to sfc w/cement treated w/CaCl₂. Recement if cement returns are not obtained. WOC 12 hours.
5. Remove 20" Hydril and casing head from 20" conductor and orange peel 20" to 13 3/8" casing. Install 12" Series 900 casing head, choke spool and 12" nominal preventors.
6. Drill 12 1/4" hole to 3000'±. If lost circulation is encountered before reaching 3000'±, drill 12 1/4" hole to a depth 200'± below depth of lost circulation or minimum of 3000 feet.
7. Run 9 5/8" casing to TD of 12 1/4" hole. Cement to sfc as required. Recement if returns are not obtained. WOC 12 hours (min).
8. Flange up casing and install blowout prevention equipment and casing head wear flange (as per Shell Drawing ZI-1141, BOP for high pressure wells). (See Note h.) Test BOP equipment and casing with 1500 psi for 15 minutes before drilling casing shoe.
9. Drill 8 3/4" hole to the Lower Hilliard at 14,500'±. Consult with Division office if mud weight must be increased.
10. Run 7" casing or continue drilling 8 3/4" hole to TD* depending on conditions encountered in the Lower Hilliard. See Mud Prognosis for mud details. Run surveys¹ DST's and case as directed. Supplemental work sheet will cover casing, cementing and completion or abandonment.

NOTES:

- a. Check BOP equipment daily and enter operating condition on tour sheet.
- b. Use drill pipe casing protectors (one per joint) and casing head wear ring while drilling in casing.
- c. Record drilling time on penetration rate recorder from surface to TD.

- d. Tally DP @ 3000' \pm , 10,000' \pm , 14,500' \pm and TD and/or prior to DST's. Retally discrepancy of more than 3'. Enter tally on tour sheets.
- e. Lag and collect 20' samples from surface to 14,000' \pm *. Logging Trailer Service will catch 10' samples from 14,000' \pm * to TD.
- f. Measure hole deviation at 500' intervals or less as required and record on tour sheets. Maintain within following limits:

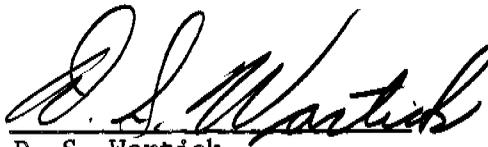
Sfc to 200'	not more than	1°
200' to 3,000'		2°
3,000' to 6,000'		3°
6,000' to 9,000'		4°
9,000' to 12,000'		5°
12,000' to 14,000'		6°
14,000' to TD		7°

Rate of change not to exceed 1 1/2° per 100' interval.

- g. Provide for four DST's in Dakota.*
- h. Prior to penetrating the Hilliard @ 12,500' \pm install: 1. Pit level recorder and warning device, 2. mud weight recorder, 3. flow rate analyzer, 4. degasser and, 5. Swaco adjustable choke.

* Depths to be determined by Exploitation Engineer.

Nearest Lease Line - 1220' East.


D. S. Wartick

ACM:bz
5/24/67

REVISED
MUD PROGNOSIS

GOVERNMENT 43X-28
HENRY'S FORK UNIT
BRIDGER LAKE FIELD
SUMMIT COUNTY, UTAH

<u>Depth</u>	<u>Type Mud</u>	(Max.) <u>Weight</u> <u>#/ gal</u>	<u>Water Loss</u> <u>API</u>	<u>Plastic</u> <u>Viscosity</u>	<u>Oil*</u>
0 - 3,000'±	Lignite-Cypan	9.0	4-8 cc	As req'd	None
3,000 -12,500'±	Lignite-Cypan	As req'd	4-8 cc	As req'd	5%
12,500±-TD	Inhibited Water Base	As req'd	4 or less	As req'd	5%

1. Maintain mud weight and viscosity as low as hole conditions permit for better bit performance.
2. Run Desander and Desilter at all times with unweighted mud system. If mud weight must be increased with barite in the Lower Hilliard, run Desander only. Record weight and loss on daily drilling and mud report.
3. In converting to an inhibited water base system begin with Lignosulfonate additions of 2-4 lbs/bbl at 12,500±, gradually increase additions to a maximum of 10-12 lbs/bbl at 14,500± in Lower Hilliard.
4. *Use protectomagic as required.

5/24/67
ACM: jan


D. S. Wartick

September 12, 1967

Shell Oil Company
1700 Broadway
Denver, Colorado 80202

Gentlemen:

For several weeks we have been receiving two copies of the status reports for the Government 43X-28 Well. One addressed to the attention of Mr. Cleon B. Feight, and the other to Mr. R. A. Smith.

Please be advised that Mr. Rodney A. Smith's address is as follows:

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

In checking with Mr. Smith, he informs us that he has not been receiving his copy.

Thank you for your attention to this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLARELLA N. PECK
SUPERVISING SECRETARY

cnp

cc: Rodney A. Smith, District Engineer
U. S. Geological Survey
8416 Federal Building
Salt Lake City, Utah

OIL & GAS CONSERVATION COMMISSION

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.)

5. LEASE DESIGNATION AND SERIAL NO. U-029009
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME Henry's Fork Unit
8. FARM OR LEASE NAME Government
9. WELL NO. 43X-28
10. FIELD AND POOL, OR WILDCAT Bridger Lake Field
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/4 SE/4 Section 28- T 3N-R 14E
12. COUNTY OR PARISH Summit
13. STATE Utah

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER
2. NAME OF OPERATOR Shell Oil Company (Rocky Mountain Division Production)
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80202
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1520' FSL and 1220' FEL Sec 28
14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 9569 KB

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"/>	FULL 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"/>	

(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.)*

We propose plugging this well as follows:

Interval	Sx Cement	Formation
16,000-16,300	100	Dakota

Drillable cement retainer at 3,000'

2,900- 3,000	35	Bottom surf casing
Surf - 75	25	Surf casing

Cut off surface casing at ground level (Floor of cellar). Weld steel plate on casing, fill cellar and install abandonment marker.

18. I hereby certify that the foregoing is true and correct For: R. L. Spottswood
 SIGNED R. L. Spottswood TITLE Division Exploitation Engr. DATE December 21, 1967

(This space for Federal or State office use)

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

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

15,930/175/139/133 Tripping. On trip out w/bit, had tight connections on bottom. On trip in w/another bit, hit fill at 15,192'. Spent 20 hrs washing and reaming from 15,192-15,857'. Drilled 60' of new hole to 15,917 in 13 1/2 hrs. Pulled 10 stands (very little, if any, drag). Reran three stands and one single; hit fill at 15,297. Spent 11 hrs washing and reaming from 15,297-15,699'. Made trip for new bit and hit fill on trip in at 15,668'. Washed and reamed from 15,668-15,917 for 16 hrs to condition hole. Drilled 13' new hole in five hrs. Circ 3 1/4 hrs for samples. Pulled 20 stands and ran back to 45' of bottom before hitting fill.
Mud: 9.5 x 51 x 2.2 (Oil 4%)

11-23, 24, 26 + 27
1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

15,949/175/140/19 Drilling.
Mud: 9.5 x 50 x 2 (Oil 4%)

Nov 28

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,024/175/141/75 Drilling.
Mud: 9.4 x 47 x 2.4 (Oil 5%)

NOV 29 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,034/175/142/10 Washing and reaming at 15,415. Magnoflaxed on 20-day inspection.
SAMPLE TOP DAKOTA 15,958 (-6389)
Mud: 9.6 x 45 x 2.2 (Oil 3%)

Nov. 30

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,057/175/143/23 (-9 days) Drilling. Washed & reamed bridges from 15,482-16,034 in one hr. Drilled 11' new hole. Circ 3 1/4 hrs prior to making short trip of 20 stands. On trip back in, went within 12' of bottom.
Mud: 9.5 x 51 x 2.2 (Oil 3%)

12-1-67

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,212/175/146/155 Tripping.
Mud: 9.5 x 54 x 2.2 (Oil 3%)

12-2, 3, 4 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,254/175/147/42 Drilling.
Mud: 9.4 x 54 x 2.2 (Oil 3%)

12-5-67

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,290/175/149/0 Circ on bottom; prep to log. Logging tools stopped at 15,500'. Ran drilling string w/bit, no bridges; less than 15' fill.
Mud: 9.4 x 65 x 2.2 (Oil 3%)

DEC 6 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

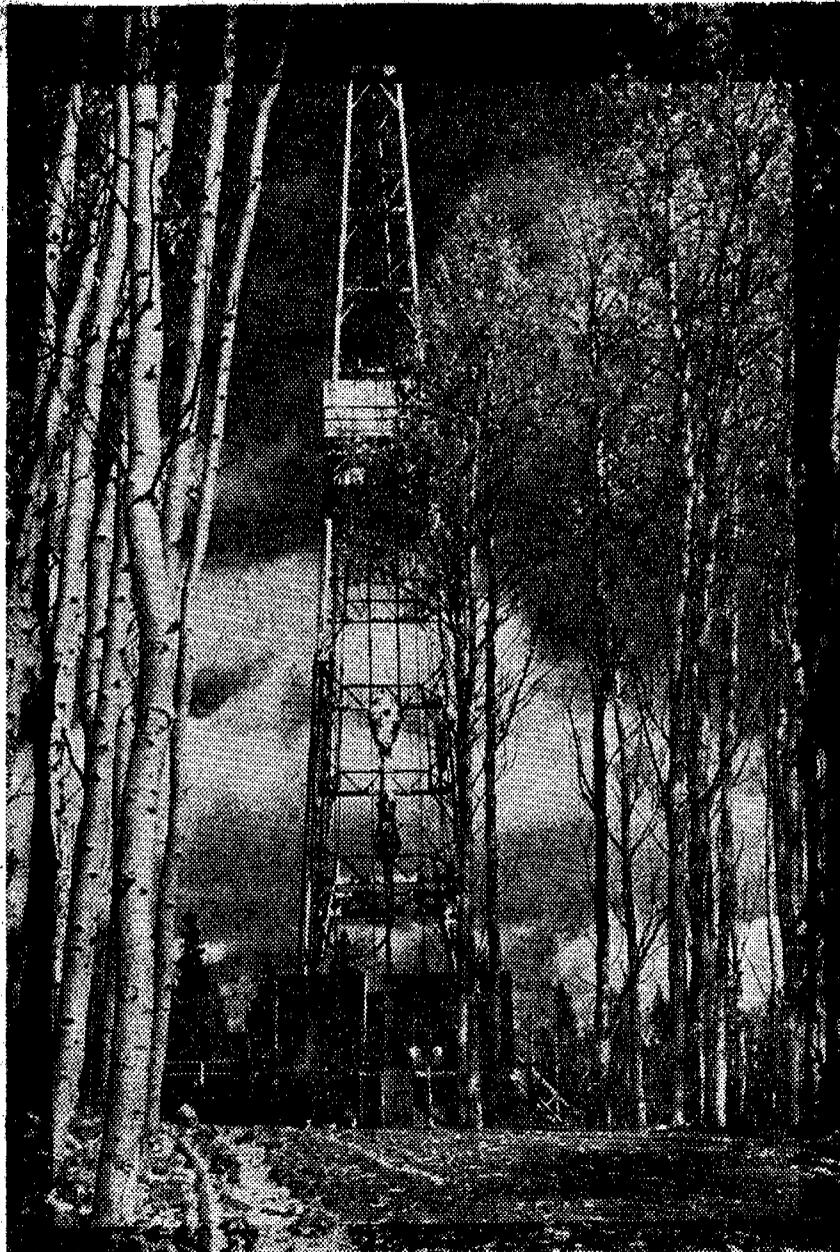
Government 43X-28
(PDET) Noble

16,390/175/161/0 Logging w/Shell Dev's gravimeter. Ran
dipmeter log w/caliper at 4 PM.

1972

HENRY'S FORK UNITBRIDGER LAKE FIELDGovernment 43X-28
(PDET) NobleTD 16,390/175/161/0 Prep to run velocity survey.
Summary of Logging Operations as follows:

<u>Date</u>	<u>TD</u>	<u>Remarks</u>
12-6-67	16,290	Circulated 6 1/2 hrs in prep to log; Dual Induction Log failed on 1st attempt. On second attempt cable malfunctioned.
12-7-67	16,290	Dual Induction Log stopped at 15,500. Cond hole w/short trip and circulation for 14 1/2 hrs in prep to log. Replaced Schl truck (Rock Springs w/truck from Vernal).
12-8-67	16,300 (WLM)	Ran Dual Induction Log.
12-9, 10 & 11-67	16,390	Deepened hole to 16,390. Cond hole w/short trip and circ for 9 hrs in prep to log. Dual Induction tool stopped at 15,500. Tried Sonic and stopped @ 15,487.
12-12, 13-67	16,390	Condition hole for logs. Washing and reaming and short trips 28 hrs.
12-14-67	16,390	Hit bridges w/Dual Induction tool at 15,030, 15,500, and 15,700. Stopped at 15,700.
12-15-67	16,390	Cond hole w/short trip and circ for 7 1/2 hrs. Ran Dual Induction tool to TD. Ran FDC Log. Tool failed after pulling 8500# from TD to 5000'.
12-16-67	16,390	Ran GRN Log through DP after cond hole for 5 hrs. Cond for 8 hrs.
12-17-67	16,390	Ran FDC and BHC Sonic w/GR in OH.
12-18-67	16,390	Ran Dipmeter tool.
12-19-67	16,390	Ran gravimeter tool. Stopped @ 15,730.
12-20-67	16,390	Running velocity survey.



**Shell Oil Co. rig on North Slope
of Uintas towers above the aspens.**

**Road in foreground was built by
company and U.S. Forest Service.**

Salt Lake Tribune
October 8, 1967

Well - Henry's Fork Unit Government #43X-28

12/15/67
Rick Mathews - Engr.
Shell - Denver Colo.

Tr 43 X - 28 NESE sec 28 T3N R14E
summitt County

T.D. 16390' running logs
(Dry Hole - ??)

Want to Deepen 2500' ^{Maggett formation} in event
Management OK - T. A. at present

① 100' of Cement top of Dakota

② 100' Cement in 9000' as stabilizer

No fresh water sand indicated
Intermedia 98⁵¹¹ C3019.

③ 100' cement inside casing at base of pond

④ - surface - 50' ^{Cost in bridge plug}
cement marker

⑤ 9 1/2 lb mud between plugs -

review with USGS (OK with me to leave out)

100' top of Dakota and with long enough or addition 50' plug for isolating SSP strings.

Would suffice for as P & A. *RMM*

Track 911 at Denver - Shell - Denver

43X-28

sec 28 T3N R14E

Letter = ~~off~~ pump
mud into well
below 3000'

lowest 16,300 - $\phi = 3\%$

Mud 16,070 - $\phi = 15\%$ (checked)

Top 16,027 - $\phi = 11\frac{1}{2}\%$

for approval

75-100% water
residual oil stain mud - no gas kick

① 16,000 - 16300 - Top of Lower bench
to top of Dakota
above

② 3019 - $9\frac{5}{8}$ "

retainer @ 3000 ft 100' of cement

③ 20" - 6' below ground
annulus - $9\frac{5}{8}$ " - 20" - fully cement

the off equipped to 2' below ground had
a bolt on blind flange to the $9\frac{5}{8}$ " head
with 2" valve on side of $9\frac{5}{8}$ " -
to check for pressure.

④ install - 4" pipe for mark - ~~thready~~

12/20/67
KSGS = Company will
place 25' of cement
in 9" pipe

⑤ mud between all plugs.

120' structurally lower than Phillips



SHELL OIL COMPANY

1700 BROADWAY
DENVER, COLORADO 80202

December 18, 1967

Subject: Shell Government 43X-28
Henry's Fork Unit
Bridger Lake Field
Section 28-T3N-R14E
Summit County, Utah

*Sent copy back
12-20-67
exp*

State of Utah Oil and Gas Commission
348 East South Temple, Suite 301
Salt Lake City, Utah 84111

Attention Mr. Cleon B. Feight

Gentlemen:

The Government 43X-28 well in Summit County, Utah is presently being evaluated and is approaching completion. Following completion, we will have to dispose of the drilling mud which remains in the reserve pits.

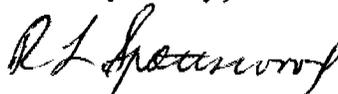
The volume of mud involved is large and cannot be disposed of by usual methods. Since we are concerned with contamination of surface waters, the disposal of this mud at depth appears to be the best course of action. In accordance with your Rule C-17 of "General Rules and Regulations and Rules of Practice and Procedure", we are submitting a disposal program for your approval.

In the event that the well is nonproductive, we would pump the remaining mud through the 9 5/8" casing, which is set at 3000', and into the formations below. If the well is productive, the mud would be pumped into the annular area between the 9 5/8" casing and a 7" production string and into the same formations below 3000'. This is essentially the same procedure used by Phillips for disposal of water produced from their wells in this area. Whereas Phillips injects water into formations between 2000' and 4020', we will inject drilling mud into formations below 3000'. Our

operation will not be continuous, and therefore will affect only a small area surrounding the well bore.

If this procedure is acceptable, please sign and return the enclosed copy of this letter.

Yours very truly,



For: J. W. Zoller
Division Production Manager
Rocky Mountain Division

Enclosure

Approved by: State of Utah Oil and Gas Commission

By: Clem B. Ferght

Title: Director

Date: 12/20/67

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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 <input checked="" type="checkbox"/> Well Plugged and Abandoned		5. LEASE DESIGNATION AND SERIAL NO. U-029009
2. NAME OF OPERATOR Shell Oil Company (Rocky Mountain Division Production)		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80202		7. UNIT AGREEMENT NAME Henry's Fork Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1520' FSL and 1220' FEL Sec 28		8. FARM OR LEASE NAME Government
14. PERMIT NO.		9. WELL NO. 43X-28
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 9569 NB		10. FIELD AND POOL, OR WILDCAT Bridger Lake Field
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA NE/4 SE/4 Section 28-T 3N-R 14E
NOTICE OF INTENTION TO:		12. COUNTY OR PARISH Summit
TEST WATER SHUT-OFF <input type="checkbox"/> FULL 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) _____ (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		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"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) _____	FULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> (Other) _____

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.) *

Well Plugged and Abandoned 12-25-67.

Well plugged as follows:

<u>Sz Plug</u>	<u>Interval</u>	<u>Formation</u>
100	16,300-16,000	Dakota

Set 9-5/8" Halliburton BC squeeze packer at 2946.

35	2,916- 2,815	Bottom surf csg
25	Surf - 75	Surf casing

Removed BOP's and 9-5/8" esghd. Welded cap on casing and will install abandonment marker later.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION

DATE January 15, 1968
BY Paul P. Burdell

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

ORIGINAL SIGNED BY
SIGNED D. S. ARTUS

For: R. L. Spottswood
TITLE Division Exploitation Engr DATE January 12, 1968

(This space for Federal or State office use)

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

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Return to Shell

5. LEASE DESIGNATION AND SERIAL NO.
U-029009

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Henry's Fork Unit

8. FARM OR LEASE NAME
Government

9. WELL NO.
LXI-28

10. FIELD AND POOL, OR WILDCAT
Bridger Lake Field

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NE/4 SE/4 Section 28- T 3N-R 14E

12. COUNTY OR PARISH
Summit

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
Shell Oil Company (Rocky Mountain Division Production)

3. ADDRESS OF OPERATOR
1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **1520' FSL and 1220' FSL Sec 28**

At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUNDED **7-11-67** 16. DATE T.D. REACHED **12-9-67** 17. DATE COMPL. (Ready to prod.) **12-25-67 P/A** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **9548.5 GL, 9569 KB** 19. ELEV. CASINGHEAD **20.80**

20. TOTAL DEPTH, MD & TVD **16,390** 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY **Total** ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* _____ 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **Dual Induction, FDC, MICS-GR, Dipmeter w/cal, Gravimeter & Velocity Survey** 27. WAS WELL CORED **No**

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	213	26"	707 SK	0
9-5/8"	40#	3019	12 1/2"	2540 SK	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
As per attachments	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
	Well Plugged and Abandoned	

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
Well Log and History and Ditch samples

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

SIGNED ORIGINAL SIGNED D. S. ARTUS For: R. L. Spottswood TITLE Division Exploitation Engr. DATE January 12, 1968

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

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
5-12			<p>Sulenta Construction Company preparing road and location (estimate 40% complete).</p> <p>Located 1520' FSL and 1220' FEL.</p> <p>Section 28-T3N-R14E, Summit County, Utah.</p> <p>16,000' Dakota Test.</p> <p>Elev: 9548.5 GL</p> <p>Shell Working Interest - 89.4%</p> <p>Drilling Contractor - Noble Drilling Corp.</p> <p>Will carry progress report weekly until road and location are complete.</p>
5-19			<p>Location - Est. 80% complete.</p> <p>Road construction - 60% complete.</p> <p>Estimate of two to three more weeks depending on weather conditions.</p>
5-26			<p>Location 90% complete (Est).</p> <p>Road construction 70% complete (Est).</p> <p>Estimate 10 to 14 days more to complete road and location if weather permits.</p>
6-2			<p>Location 90% complete (Est).</p> <p>Road construction 70% complete (Est).</p> <p>No progress this past week due to inclement weather.</p>
6-9			<p>Preparing road and location. Have completed plating of road bed with pit run gravel. Due to rain and snow Thursday, it was necessary to dispense w/crushing of rock because of wet rock plugging screen. Moving in components of rig from Reno Field to a temporary location at Forestry boundary. (Estimate). Weather permitting, should begin rigging up in approximately one week.</p>
6-16			<p>Unable to complete road and location because of inclement weather this past week (rain and snow) and soft road bed with some washed out sections. Estimate with a week of good weather would be ready to RURT.</p>
6-23			<p>Working on road and location (weather permitting). Estimate location 90 percent and road 85% complete. Locally heavy rains in the area, large accumulations of <u>winter</u> and <u>spring</u> <u>snows</u> melting slowly because of heavy timber cover and <u>frost</u> leaving the ground has complicated and is slowing construction progress. During the past week, for better drainage, have been cutting and disposing of timber in the drainage areas adjacent to culverts, also hauling and dumping large size pit run materials in the low, soft areas of the road bed. Note: (To date, for road bed base, have spread more than 12,500 cubic yards of pit run gravel.)</p>

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

DATE	TD	PB	REMARKS
6-30			Constructing road and location. Had four days of good weather this week. Hauling and spreading pit run gravel on location. Dry hole digger on location; have drilled 36' of 36" OD conductor hole. Dug cellar, drilling rat hole, mouse hole, and holes for 13 3/8" OD piling which will be cemented in place for substructure base support. Weather permitting, plan to pour cement pads today. (Estimate). Plan to start moving in rig about middle of next week. Will report progress weekly until road and location complete.
7-6 - 7-10			MI & RURT.
7-11			RURT; prep to spud.
7-12			100. Drilling. Spudded 11:45 PM 7-11-67. Drilled 12 1/4" hole to 100'. Lost 120 bbls mud before spudding while filling 30" conductor casing which was set with dry hole digger. Mixed new mud with 19#/bbl LCM. Regained circ prior to spudding. Mud: 8.5 x 205 x 1.8
7-13			215. Reaming out hole to 26" at 132'. Drilled out 12 1/4" hole to 215'; reamed out hole to 17 1/2". Dev: 0° at 90', 1/4° at 150', 1/4° at 215'. Mud: 9 x 252 x 3.8 (LCM - 19#/bbl) (No mud lost)
7-14			215. Running 20" csg. Reamed 26" hole to 215'. Ran 5 jts 20" csg to 132'; could not get by boulder. Pulled casing. Made trip with 26" reamer and washed and reamed hole. Lost 120 bbls mud. Mixed mud and LCM. Mud: 9 x 150 x 8 (LCM - 18#/bbl)
7-15, 16 & 17			250. Drilling. Ran 20" casing to 157'; hit boulder and could not get casing down. Pulled casing. Picked up 2 - 26" hole openers. Ran in tandem. Reamed all of hole. Partial returns in cellar, around conductor pipe, and in corner of reserve pit. Build mud volume in pit. Ran and cemented 7 jts 20" 94# H-40 casing (220') at 213' w/200 sx Class "G", 2% CaCl ₂ , 1/4# Flo-Seal/sx, followed by 407 sx Class "G", 2% CaCl ₂ . Plug down 10 PM 7-14-67. Cement did not circ. Good returns throughout job. WOC 6 hrs. Ran 1" tbg outside of casing; found good cement at 41' from KB. Cemented through 1" tbg w/100 sx Class "G" w/2% CaCl ₂ . Cement circ. Job complete 8:30 AM 7-15-67. WOC. Nipped up BOP's. Tested BOP's and choke manifold w/1000 psi, check ok. Began drilling 12 1/4" hole at 4:30 AM 7-17-67.

CASING AND CEMENTING DETAIL

KB to CHF 20.80. Shoe joint started in hole at 7:30 PM 7-14-67. Ran 7 jts 20", Smls, 8rd casing to 213'.

Jts.	Wt.	Grade	ST&C	New	Feet	From	To
7	94#	H-40	ST&C	New	192.20	0	213

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>					
7-15, 16 & 17 (CONT.)			7 jts Total. Guide shoe at 213'. Cemented at 213' w/200 sx Class "G" w/1/4# Flo-Seal/sx and 407 sx Class "G" w/2% CaCl. Plug down 10 PM 7-14-67.					
			<u>REMARKS</u> Cement did not circ. Cemented w/1" pipe at 41' w/100 sx Class "G" w/2% CaCl ₂ . Job complete at 8:30 AM 7-15-67.					
7-18			546. Drilling. Dev: 3/4° at 309', 1/2° at 369' and 459'. Mud: 9.1 x 40 x 3.4					
7-19			675. Drilling. Dev: 3/4° at 546' and 630'. Laid down 13 bad DC's. Mud: 9.1 x 39 x 5.6					
7-20			1167. Drilling. Dev: 1/2° at 737' and 850', 3/4° at 1008'. Laid down three DC's, had to cut off one DC. Broke tongs. Picked up (5) 9" DC's. Mud: 9.1 x 40 x 4					
7-21			1728. Drilling. Dev: 3/4° at 1696'. 4 1/2 hrs trip; broke and checked all DC's. Mud: 9.2 x 47 x 4.4					
7-22, 23 & 24			2818. Drilling. Dev: 1° at 2490, 1 1/2° at 2571, 1 3/4° at 2766 and 2810. Mud: 9.1 x 43 x 5					
7-25			2975. Tripping. Dev: 1 3/4° at 2810', 2° at 2880', 2938' and 2973'. Mud: 9.2 x 55 x 3.8					
7-26			3023. Running 9 5/8" csg. Dev: 2° at 3020. Mud: 9.2 x 52 x 4.2.					
7-27			3023. WOC. Nippled up 12 hrs. Ran 90 jts (2996.78') 9 5/8" 40# 8rd casing and set at 3019'. Cemented 1st stage w/540 sx 1:1 poz, Class "G" followed by 200 sx Class "G" Neat. Plug down 7:56 AM 7-26-67. 2nd stage consisted of 1400 sx 1:1 poz, Class "G" Neat w/2% CaCl ₂ followed by 400 sx Class "G" Neat w/2% CaCl ₂ . Plug down 5:53 PM 7-26-67. Cement circulated. DV collar at 1462, float collar at 2938, float shoe at 3019.					
			<u>CASING AND CEMENTING DETAIL</u>					
			KB to CHF 20.80. Shoe joint started in hole at 5 AM 7-26-67. Ran 90 jts 9 5/8", Smls, 8rd casing to 3019'.					
			ST&C					
	<u>Jts.</u>	<u>Wt.</u>	<u>Grade</u>	<u>LT&C</u>	<u>New</u>	<u>Feet</u>	<u>From</u>	<u>To</u>
	85 + DV	40	J-55	ST&C	New	2789.64	0 + 22.22	2811.86
	5 + Float & Shoe	40	N-80	LT&C	New	207.14	2811.86	3019.00

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
7-27 (CONT.)			<p>90 jts Total. DV Collar at 1462. Float Collar at 2938. Float Shoe at 3019. Baffle Collar at 2896. 4 Larkin Centralizers: Spaced at 3017' out at 2933 at 1469, and at 1457'. 2 Baker metal petal bsks. at 1497 and 1531. Cementing: Broke circulation at 9:45 AM w/300 psi. Circulated 60 min. With 20 bbls water ahead, cemented through shoe at 3019' w/540 sx, 1:1 poz Class "G" cement, 2% gel, and 200 sx Class "G" Neat. Wt. 14.6 and 15.8#/gal. Mixing complete in 18 min. Pressure: Max 200, min 200, avg 200. Plug down 11:56 AM 7-26-67. Pressure: Max 1200, min 0, avg 600. Pressure to 1000 psi in 17 min. Held 3 min. Bled back 1 bbl.</p> <p><u>REMARKS</u> Circ 4 hrs after opening DV. 2nd stage: w/20 bbls water ahead, cemented through DV at 1462 w/1400 sx 1:1 poz Class "G" & 400 sx Class "G" Neat w/2% CaCl₂. Wt. 14.5 & 15.7#/gal. Mixing completed in 35 mins. Max 250 psi, min 200, avg 200. Plug down 5:53 PM 7-26-67. Press: max 1000, min 200, avg 500. Pressured to 1500 psi in 14 min. Held 5 min. Bled back 1/2 bbl. Cement circ'd.</p>
7-28			3023. Nippling up. WOC 24 hrs.
7-31			<p>3241. Drilling. Dev: 2° at 3083, 3° at 3152, 2 3/4° at 3192. Press tested BOP equipment to 1500 psi. Press tested casing after drilling DV and before drilling shoe w/1500 psi. Mud: 8.7 x 40 x 4.2 (Oil 2 1/2%)</p>
8-1			<p>3363. Drilling. Dev: 1 3/4° at 3248, 2° at 3277, and 2 1/4° at 3332. Mud: 8.8 x 32 x 3.8 (Oil 2%)</p>
8-2			<p>3593. Drilling. Dev: 2° at 3375', 3400', 3433', 3493', and 3555'. Mud: 8.9 x 38 x 4.6 (Oil 2%)</p>
8-3			<p>3728. Tripping. Dev: 2° at 3602, 3675, and 3726. Mud: 8.9 x 39 x 4.2 (Oil 2%)</p>
8-4			<p>3942. Drilling. Dev: 1 3/4° at 3826, 2° at 3915. Mud: 8.9 x 37 x 4.2 (Oil 2%)</p>
8-5, 6 & 7			<p>4570. Drilling. Dev: 2° at 4009, 1 1/2° at 4130, 1 1/4° at 4301, 1 1/2° at 4495. Mud: 8.8 x 40 x 4 (Oil 2%)</p>
8-8			<p>4714. Tripping. Dev: 1 1/4° at 4604 and 4714'. Magnoflaxed all DC's for 2 hrs; down 1 hr for rig repair. Mud: 8.8 x 37 x 4 (Oil 2%)</p>

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
FROM 5-12 TO 12-26-67	DIVISION	Rocky Mountain	ELEV	9569 KB
	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
8-9			4922. Tripping. Dev: 1 1/2° at 4832 and 4922'. Mud: 8.9 x 37 x 4 (Oil 2%)
8-10			5125. Drilling. Dev: 1 3/4° at 5008'. Mud: 8.8 x 38 x 3.8 (Oil 2%)
8-11			5246. Drilling. Dev: 1 1/2° at 5134 and 5186. Mud: 9 x 38 x 3.6 (Oil 2%)
8-12, 13 & 14			5747. Drilling. Dev: 1 1/2° at 5351 and 5455, 1° at 5658. Mud: 9 x 39 x 3.2 (Oil 2%)
8-15			5894. Drilling. Dev: 2° at 5860'. Mud: 9 x 37 x 3.2 (Oil 2%)
8-16			6040. Tripping. Dev: 1 1/2° at 5951 and 6040. Mud: 8.9 x 37 x 4 (Oil 2%)
8-17			6163. Drilling. Dev: 1 3/4° at 6127. Down two hrs for rig repair. Mud: 8.9 x 37 x 4.8 (Oil 2%)
8-18			6249. Tripping. Dev: 1 3/4° at 6180. 3 hrs on 20 day magnoflux inspection. Mud: 8.8 x 38 x 4.8 (Oil 1 1/2%)
8-19, 20 & 21			6660. Drilling. Dev: 1 3/4° at 6632, 1 1/2° at 6432, 1 1/4° at 6594. Mud: 8.9 x 37 x 4 (Oil 2%)
8-22			6762. Drilling. Dev: 3/4° at 6680. Mud: 8.9 x 39 x 3.6 (Oil 2%)
8-23			6910. Tripping. Dev: 1° at 6822. Mud: 9 x 38 x 3.4 (Oil 2%)
8-24			7022. Drilling. Mud: 9 x 38 x 3.4 (Oil 2%)
8-25			7095. Drilling. Dev: 1 1/4° at 7040. Mud: 9 x 37 x 4 (Oil 2%)
8-26, 27 & 28			7423. Tripping. Dev: 1 3/4° at 7345, 1 3/4° at 7348. Mud: 9 x 37 x 3.8 (Oil 2%)
8-29			7543. Drilling. Magnofluxed DC's; no defects. Mud: 9 x 38 x 3.6 (Oil 2%)
8-30			7674. Drilling. Dev: 1 1/4° at 7600'. Mud: 9 x 38 x 3.6 (Oil 2%)

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
FROM 5-12 TO 12-26-67	DIVISION	Rocky Mountain	ELEV	9569 KB
	COUNTY	Summit	STATE	Utah

DATE	TD	PB	REMARKS
8-31			7768. Tripping. Dev: 2 3/4° at 7767. Mud: 9.1 x 38 x 4 (Oil 2%)
9-1			7802. Drilling. 11 1/4 hrs reaming with 48" integral bladed stabilizer from 7683-7768. Mud: 9 x 37 x 4 (Oil 2%)
9-2, 3, 4, & 5			8130. Drilling. Dev: 2 1/2° at 7915, 3° at 7970, 2 1/2° at 8003, 3° at 8045. Mud: 8.9 x 39 x 4 (Oil 3%)
9-6			8270. Tripping. Dev: 2 3/4° at 8172. Mud: 8.9 x 39 x 3.8 (Oil 4%)
9-7			8412. Drilling. Dev: 2 1/2° at 8260, 2 3/4° at 8379. Mud: 8.9 x 38 x 3.4 (Oil 3%)
9-8			8556. Drilling. Dev: 3° at 8479. Down 4 1/4 hrs for magnoflux inspection. Mud: 9 x 37 x 4 (Oil 3%)
9-9, 10 & 11			8896. Drilling. Dev: 3° at 8580, 2 1/2° at 8670, 3° at 8783 and 8823. Mud: 9 x 38 x 3.4 (Oil 4%)
9-12			9074. Drilling. Dev: 3 1/4° at 8985. Mud: 9 x 38 x 3.6 (Oil 3%)
9-13			9206. Drilling. Dev: 3° at 9100'. Mud: 9 x 37 x 4 (Oil 4%)
9-14			9303. SD for rotary repairs. Dev: 3° at 9210, 2 3/4° at 9283. Mud: 9.1 x 38 x 3.4 (Oil 3%)
9-15			9390. Drilling. Down 11 1/2 hrs for rig repairs. Mud: 9 x 38 x 4 (Oil 3%)
9-16, 17 & 18			9805. Drilling. Dev: 3° at 9390, 9480, 9616, and 3 1/4° at 9738. Mud: 9.1 x 39 x 3.4 (Oil 3%)
9-19			9965. Drilling. Dev: 4 1/2° at 9835. Mud: 9.1 x 39 x 3.4 (Oil 3%)
9-20			10,105. Drilling. Dev: 4 1/2° at 10,000'. Strapped DP. SLM 10,036.42 = 10,035.28 (No correction). Mud: 9.1 x 38 x 3.6 (Oil 3%)
9-21			10,219. Tripping. Dev: 4° at 10,190. Mud: 9 x 39 x 4 (Oil 3%)

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
9-22			10,368. Tripping. Dev: 4 1/4° at 10,200'. Mud: 9 x 38 x 3.8 (Oil 3%)
9-23, 24 & 25			10,628. Drilling. Dev: 4° at 10,348, 3 3/4° at 10,500, 3 1/2° at 10,585. Mud: 9.1 x 39 x 2.6 (Oil 3%)
9-26			10,758. Drilling. Dev: 3 1/4° at 10,700'. Mud: 9.1 x 39 x 3.4 (Oil 3%)
9-27			10,880. Tripping. Dev: 3 1/4° at 10,765. Mud: 9 x 40 x 3.8 (Oil 3%)
9-28			10,969. Tripping. Dev: 3° at 10,880 and 10,964. 3 1/2 hrs magnofluxing DC's and tools - 20 day inspection. Mud: 9.2 x 39 x 4.4 (Oil 3%)
9-29			11,072. Drilling. Dev: 3° at 11,045. Mud: 9.2 x 42 x 3.6 (Oil 3%)
9-30 - 10-2			11,412. Drilling. Dev: 3° at 11,135', 11,230', 11,310'. Mud: 9.1 x 42 x 3.6 (Oil 3%)
10-3			11,481. Tripping. Dev: 2 3/4° at 11,411. Mud: 9.2 x 40 x 3.6 (Oil 3%)
10-4			11,578. Drilling. Dev: 2° at 11,540. Mud: 9.1 x 42 x 3.8 (Oil 3%)
10-5			11,676. Tripping. Dev: 2 1/4° at 11,660. SAMPLE TOP MESAVERDE 11,544 (-1991) Mud: 9.1 x 40 x 3.6 (Oil 3%)
10-6			11,748. Drilling. Mud: 9.1 x 40 x 3.6 (Oil 3%)
10-7, 8 & 9			12,017. Tripping. Dev: 2 1/4° at 12,000'. Mud: 9.2 x 42 x 3 (Oil 3%)
10-10			12,121. Drilling. Mud: 9.1 x 38 x 3.4 (Oil 3%)
10-11			12,213. Drilling. Mud: 9.1 x 39 x 3.4 (Oil 3%)
10-12			12,278. Drilling. Misrun on deviation at 12,176. Mud: 9.1 x 40 x 3.6 (Oil 3%)

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

DATE	TD	PB	REMARKS
10-28, 29 & 30			13,490. Spotting oil in attempt to free pipe stuck at 10,760. Washed and reamed to bottom for 35 hrs w/bit and two reamers. On trip out, pulled pipe from 11,140-10,670'. Pulled 20,000# weight up and approx 15,000# down. Pulled bit. On trip in w/another bit, began taking weight at 10,670'. Laid down one single. Picked up Kelly; washed and reamed 4 jts in. Stuck pipe when picking up singles. Worked pipe three hrs. RU to spot 50 BO w/50 gals IMC free pipe. Mud: 9.3 x 44 x 1.6 (Oil 7%)
10-31			13,490. Prep to drill ahead. Dev: 5 1/4° at 13,460. Spotted 50 BO to free pipe; pipe came free 8:30 AM 10-30-67. (Soaked 1/2 hr.) Went to bottom, picked up Kelly, reamed and washed to bottom for two hrs over last 45'. Circ at 13,490 for 4 1/2 hrs. Came out of hole and picked up new bit and stabilizers; went back to bottom w/no difficulty. Mud: 9.3 x 50 x 1.6 (Oil 8%)
11-1			13,576. Drilling. Mud: 9.3 x 48 x 2 (Oil 7%)
11-2			13,641. Drilling. Dev: 4 3/4° at 13,550. Mud: 9.3 x 42 x 2 (Oil 5%)
11-3			13,731. Drilling. Dev: 4° at 13,700. Mud: 9.3 x 46 x 1.8 (Oil 5%)
11-4, 5 & 6			14,220. Tripping. Dev: 2 1/4° at 13,894. Mud: 9.2 x 45 x 2.2 (Oil 5%)
11-7			14,320. Drilling. Dev: 1 1/2° at 14,200. Log Tops: (Phillips 1-A) Sample Tops: (43X-28) Hilliard 12,730 (-3804) 13,520 (-3959) Hilliard Paleo Marker 13,385 (-4459) 13,880 (-4319) Mud: 9.2 x 47 x 2 (Oil 5%)
11-8			14,407. Tripping. Dev: 1 1/2° at 14,385. SLM 14,407 = 14,409.20 (no correction). Changing out DC's and magnofluxing. Mud: 9.3 x 41 x 1.6 (Oil 5%)
11-9			14,494. Drilling. (Footage made yesterday should have been 87' instead of 187') . Picked up and ran 25 - 7 x 2 3/4 spiral DC's. Mud: 9.2 x 45 x 1.8 (Oil 5%)
11-10			14,660. Tripping. Mud: 9.3 x 43 x 2 (Oil 5%)
11-11, 12 & 13			15,026. SD for rig repairs. Dev: 5° at 15,005. Down 11 1/2 hrs repairing mud pumps. Mud: 9.4 x 45 x 1.8 (Oil 5%)

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
FROM 5-12 TO 12-26-67	DIVISION	Rocky Mountain	ELEV	9569 KB
	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
11-14			15,200. Drilling. Mud: 9.4 x 45 x 2 (Oil 5%)
11-15			15,316. Drilling. Dev: 6 1/2° at 15,200. Mud: 9.4 x 52 x 2 (Oil 4%)
11-16			15,386. Tripping. Dev: 6 1/2° at 15,350. Four hrs stringing up new drilling line. Mud: 9.5 x 41 x 1.4 (Oil 5%)
11-17			15,494. Tripping. Dev: 6 1/2° at 15,355, 7° at 15,460. Mud: 9.4 x 43 x 2.6 (Oil 5%)
11-18, 19 & 20			15,667. Tripping. Dev: 7 1/2° at 15,564, 7 1/4° at 15,660. Mud: 9.5 x 41 x 1.6 (Oil 5%)
11-21			15,711. Tripping. SAMPLE TOP FT UNION 8,940 (+629) LOG TOP (Phillips 1-A) MESAVERDE 11,660 (-2091) HILLIARD 13,520 (-3951) FRONTIER 15,491 (-5922) FRONTIER 14,889 (-5963) Mud: 9.4 x 44 x 2 (Oil 5%)
11-22			15,797. Drilling. Mud: 9.5 x 44 x 1.6 (Oil 5%)
11-23 - 11-27			15,930. Tripping. On trip out w/bit, had tight connections on bottom. On trip in w/another bit, hit fill at 15,192'. Spent 20 hrs washing and reaming from 15,192-15,857'. Drilled 60' of new hole to 15,917 in 13 1/2 hrs. Pulled 10 stands (very little, if any, drag). Reran three stands and one single; hit fill at 15,297. Spent 11 hrs washing and reaming from 15,297-15,699'. Made trip for new bit and hit fill on trip in at 15,668'. Washed and reamed from 15,668-15,917 for 16 hrs to condition hole. Drilled 13' new hole in five hrs. Circ 3 1/4 hrs for samples. Pulled 20 stands and ran back to 45' of bottom before hitting fill. Mud: 9.5 x 51 x 2.2 (Oil 4%)
11-28			15,949. Drilling. Mud: 9.5 x 50 x 2 (Oil 4%)
11-29			16,024. Drilling. Mud: 9.4 x 47 x 2.4 (Oil 5%)
11-30			16,034. Washing and reaming at 15,415. Magnoflaxed on 20 day inspection. SAMPLE TOP DAKOTA 15,958 (-6389) Mud: 9.6 x 45 x 2.2 (Oil 3%)

DITCH SAMPLES

Examined by: Frank Quilici

Field: Bridger Lake Area

From: 15,700' To 16,390'

Well: Gov't 43X-28

<u>FROM</u>	<u>TO</u>	<u>%</u>	<u>SHOWS UNDERLINED</u>
15,700	15,740	85	Shale, dark gray-black, carbonaceous.
		10	Siltstone, gray, III-I, v f-f, somewhat cherty.
		5	Sandstone, salt & pepper, some reddish brown, III-I B, med. to coarse, silica cemented.
15,740	15,920	70	Shale, gray to gray-brn, carbonaceous.
		30	Siltstone, a.a. micaceous.
15,920	16,055	50	Shale, a.a.
		20	Siltstone, a.a.
		30	Sandstone, white to salt & pepper, med to coarse, III to III-I B cemented w/silica, cherty, friable, glassy, no shows.
16,055	16,065	30	Shale, a.a.
		20	Siltstone, a.a.
		50	Sandstone, white to lt gray, III-B, med to coarse grains, pores are clay filled, no shows.
		trace	Bentonite, white, nonswelling.
16,065	16,085	15	Shale, a.a.
		10	Siltstone, a.a.
		75	Sandstone, a.a.
16,085	16,115	50	Shale, a.a.
		20	Siltstone, a.a.
		30	Sandstone, a.a.
16,115	16,135	20	Shale, a.a.
		20	Siltstone, a.a.
		60	Sandstone, white to gray, some glassy pores, clay filled, III-B, coarse grains, no shows.
16,135	16,155	50	Shale, a.a.
		20	Siltstone, a.a.
		30	Sandstone, a.a.
16,155	16,170	30	Shale, red and a.a.
		20	Siltstone, a.a.
		20	Sandstone, a.a.
		30	Bentonite, white, soft, waxy, nonswelling.
16,170	16,185	30	Shale, a.a., some purple
		20	Siltstone, a.a.
		20	Sandstone, a.a.
		30	Bentonite, a.a.

Examined by: Frank Quilici

Field: Bridger Lake Area

From: 15,700 to 16,390

Well: Gov't 43X-28

<u>FROM</u>	<u>TO</u>	<u>%</u>	<u>SHOWS UNDERLINED</u>
16,185	16,235	40	Shale, a.a.
		10	Siltstone, a.a.
		50	Sandstone, a.a., <u>some dead spty O.S.</u> , no cut, no fluor.
		10	Bentonite, a.a.
16,235	16,300	30	Shale, a.a.
		10	Siltstone, a.a.
		50	Sandstone, a.a.
		10	Bentonite, a.a.
16,300	16,360	20	Shale, a.a.
		10	Siltstone, a.a.
		70	Sandstone, a.a.
		trace	Bentonite.
16,360	16,390	60	Shale, a.a., some brn, mottled.
		20	Siltstone, a.a.
		20	Sandstone, a.a.

FORM OGCC-8-X

FILE IN QUADRUPLICATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Government 43X-28
Operator Shell Oil Company Address 1700 Broadway, Denver, Colorado Phone 222-8454
Contractor Noble Drilling Co. Address Tulsa, Okla. Phone _____
Location NE 1/4 SE 1/4 Sec. 28 T. 3 N R. 14 E Summit County, Utah.

Water Sands:

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	11,715	to 13,535 (Mesaverde)	Not tested	Salty
	1)	12,075-12,120	6) 11,850-11,880	
2.	2)	12,260-12,285	7) 12,195-12,205	
	3)	12,330-12,345	8) 12,650-12,715	
3.	4)	12,410-12,450	9) 12,480-12,525	
	5)	12,730-12,755	10) 12,820-12,840	
4.				
5.	16,075	to 16,150 (Dakota)	Not tested	Salty
	16,080-16,090		(Continued on reverse side if necessary)	
	16,110-16,145			

Formation Tops:

Fort Union	8920	Mowry	15,710
Mesaverde	11,715	Dakota	16,028
Hilliard	13,535	Morrison	16,362
Frontier	15,511		

Remarks:

- NOTE:
- (a) Upon diminishing supply of forms, please inform the Commission.
 - (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.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.
U-029009

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Henry's Fork Unit

8. FARM OR LEASE NAME
Government

9. WELL NO.
43X-28

10. FIELD AND POOL, OR WILDCAT
Bridger Lake Field

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
NE/4 SE/4 Section 28-
T 3N-R 14E

12. COUNTY OR PARISH
Summit

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 Well Plugged and Abandoned

2. NAME OF OPERATOR
Shell Oil Company (Rocky Mountain Division Production)

3. ADDRESS OF OPERATOR
1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface 1520' FSL and 1220' FEEL Sec 28

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
9569 KB

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"/>	FULL 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.) *

Well Plugged and Abandoned 12-25-67.

Well plugged as follows:

<u>Sx Plug</u>	<u>Interval</u>	<u>Formation</u>
100	16,300-16,000	Dakota
Set 9-5/8" Halliburton DC squeeze packer at 2946.		
35	2,916-2,815	Bottom surf csg
25	Surf - 75	Surf casing

Removed BOP's and 9-5/8" csghd. Welded cap on casing and will install abandonment marker later.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE January 15, 1968
BY Paul M. Bushell

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

SIGNED

D. J. Curtis

For: R. L. Spottswood
TITLE Division Exploitation Engr DATE January 12, 1968

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,290/175/148/36 Prep to log. DEC 7 1967
Mud: 9.4 x 63 x 2.2 (Oil 3%)
SAMPLE TOP MORRISON 16,237 (-6668) LOG TOP PHILLIPS 1-A
15,588 (-6662)

HENRY'S FORK UNIT

12-8-67

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,300/175/150/10 (-8 days) Logging 5 hrs. 19 hrs.
conditioning hole for trip out. SLM 16,290 = 16,300 (Correction).
Mud: 9.4 x 64 x 2 (Oil 3%)

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,390/175/153/90 Attempting to log; prep to go in hole w/bit
to cond for logging. Tool stopped at 15,485.
Mud: 9.4 x 56 x 2 (Oil 2%)

12-9, 10 & 11 - 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,390/175/154/0 Conditioning hole for logs. 17 hrs washing
and reaming from 15,466-15,981.
Mud: 9.6 x 64 x 2.2 (Oil 2%)

12-12-67

Government 43X-28
(PDET) Noble

16,390/175/155/0 Circ and cond hole for logs. 12 1/4 hrs
washing and reaming from 16,012-16,390. On bottom to
condition hole at 3:30 AM.
Mud: 9.6 x 67 x 2.2 (Oil 2%)

12-13-67

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,390/175/156/0 Circ for logs. While going in hole w/logging
tools, hit bridges at 15,030, 15,500, and 15,700'; log stopped
at 15,700. Worked for 2 hrs, came back out of hole w/tools
and picked up DP. Didn't find bridges w/DP; back on bottom
circ.

12-14-67

Mud: 9.6 x 66 x 2.2 (Oil 2%)

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,390/175/157/0 Logging. Made short trip. Ran Induction
Log to TD. Ran FDC to TD (tool failed); pulling out of
hole.

12-15-67

Mud: 9.5 x 66 x 1.8 (Oil 2%)

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

16,390/175/160/0 Logging w/dipmeter tool. Ran GRN
through 5" DP. Pulled DP. Ran FDC & BHC-GRS in OH.
Mud: 9.5 x 65 x 2.3 (Oil 2%)

12-16, 17 & 18 - 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

TD 16,390/175/161/0 Running velocity survey.

DEC 21 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

TD 16,390/175/163/0 Laying down DP. Set plug from 16,300-16,000
consisting of 100 sx 1:1 poz, w/.4% HR-4.

12-22-67

43-043-20209
3N 1AE 28
600'T 43X-28

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

16
Mud: _____
SAMPLE TOP MORRISON 16,237 (-6668) LOG TOP PHILLIPS 1-A
15,588 (-6662)

log. DEC 7 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

12-8-67

16,300/175/150/10 (-8 days) Logging 5 hrs. 19 hrs.
conditioning hole for trip out. SLM 16,290 = 16,300 (Correction).
Mud: 9.4 x 64 x 2 (Oil 3%)

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

12-9-10 & 11 - 1967

16,390/175/153/90 Attempting to log; prep to go in hole w/bit
to cond for logging. Tool stopped at 15,485.
Mud: 9.4 x 56 x 2 (Oil 2%)

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

12-12-67

16,390/175/154/0 Conditioning hole for logs. 17 hrs washing
and reaming from 15,466-15,981.
Mud: 9.6 x 64 x 2.2 (Oil 2%)

Government 43X-28
(PDET) Noble

12-13-67

16,390/175/155/0 Circ and cond hole for logs. 12 1/4 hrs
washing and reaming from 16,012-16,390. On bottom to
condition hole at 3:30 AM.
Mud: 9.6 x 67 x 2.2 (Oil 2%)

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

12-14-67

16,390/175/156/0 Circ for logs. While going in hole w/logging
tools, hit bridges at 15,030, 15,500, and 15,700'; log stopped
at 15,700. Worked for 2 hrs, came back out of hole w/tools
and picked up DP. Didn't find bridges w/DP; back on bottom
circ.
Mud: 9.6 x 66 x 2.2 (Oil 2%)

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

12-15-67

16,390/175/157/0 Logging. Made short trip. Ran Induction
Log to TD. Ran FDC to TD (tool failed); pulling out of
hole.
Mud: 9.5 x 66 x 1.8 (Oil 2%)

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

12-16, 17 & 18 - 1967

16,390/175/160/0 Logging w/dipmeter tool. Ran GRN
through 5" DP. Pulled DP. Ran FDC & BHC-GRS in OH.
Mud: 9.5 x 65 x 2.3 (Oil 2%)

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

TD 16,390/175/161/0 Running velocity survey.

DEC 21 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

12-22-67

TD 16,390/175/163/0 Laying down DP. Set plug from 16,300-16,000
consisting of 100 sx 1:1 poz, w/.4% HR-4.

THE STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

348 East South Temple
Suite 301
Salt Lake City, Utah 84111

328-5771

Cleon B. Feight
Director
Paul W. Burchell
Chief Petroleum Engineer

OIL & GAS CONSERVATION BOARD

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WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
5-12			Sulenta Construction Company preparing road and location (estimate 40% complete). Located 1520' FSL and 1220' FEL. Section 28-T3N-R14E, Summit County, Utah. 16,000' Dakota Test. Elev: 9548.5 GL Shell Working Interest - 89.4% Drilling Contractor - Noble Drilling Corp. Will carry progress report weekly until road and location are complete.
5-19			Location - Est. 80% complete. Road construction - 60% complete. Estimate of two to three more weeks depending on weather conditions.
5-26			Location 90% complete (Est). Road construction 70% complete (Est). Estimate 10 to 14 days more to complete road and location if weather permits.
6-2			Location 90% complete (Est). Road construction 70% complete (Est). No progress this past week due to inclement weather.
6-9			Preparing road and location. Have completed plating of road bed with pit run gravel. Due to rain and snow Thursday, it was necessary to dispense w/crushing of rock because of wet rock plugging screen. Moving in components of rig from Reno Field to a temporary location at Forestry boundary. (Estimate). Weather permitting, should begin rigging up in approximately one week.
6-16			Unable to complete road and location because of inclement weather this past week (rain and snow) and soft road bed with some washed out sections. Estimate with a week of good weather would be ready to RURT.
6-23			Working on road and location (weather permitting). Estimate location 90 percent and road 85% complete. Locally heavy rains in the area, large accumulations of <u>winter</u> and <u>spring</u> snows melting slowly because of heavy timber cover and <u>frost</u> leaving the ground has complicated and is slowing construction progress. During the past week, for better drainage, have been cutting and disposing of timber in the drainage areas adjacent to culverts, also hauling and dumping large size pit run materials in the low, soft areas of the road bed. Note: (To date, for road bed base, have spread more than 12,500 cubic yards of pit run gravel.)

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

DATE	TD	PB	REMARKS
6-30			Constructing road and location. Had four days of good weather this week. Hauling and spreading pit run gravel on location. Dry hole digger on location; have drilled 36' of 36" OD conductor hole. Dug cellar, drilling rat hole, mouse hole, and holes for 13 3/8" OD piling which will be cemented in place for substructure base support. Weather permitting, plan to pour cement pads today. (Estimate). Plan to start moving in rig about middle of next week. Will report progress weekly until road and location complete.
7-6 - 7-10			MI & RURT.
7-11			RURT; prep to spud.
7-12			100. Drilling. Spudded 11:45 PM 7-11-67. Drilled 12 1/4" hole to 100'. Lost 120 bbls mud before spudding while filling 30" conductor casing which was set with dry hole digger. Mixed new mud with 19#/bbl LCM. Regained circ prior to spudding. Mud: 8.5 x 205 x 1.8
7-13			215. Reaming out hole to 26" at 132'. Drilled out 12 1/4" hole to 215'; reamed out hole to 17 1/2". Dev: 0° at 90', 1/4° at 150', 1/4° at 215'. Mud: 9 x 252 x 3.8 (LCM - 19#/bbl) (No mud lost)
7-14			215. Running 20" csg. Reamed 26" hole to 215'. Ran 5 jts 20" csg to 132'; could not get by boulder. Pulled casing. Made trip with 26" reamer and washed and reamed hole. Lost 120 bbls mud. Mixed mud and LCM. Mud: 9 x 150 x 8 (LCM - 18#/bbl)
7-15, 16 & 17			250. Drilling. Ran 20" casing to 157'; hit boulder and could not get casing down. Pulled casing. Picked up 2 - 26" hole openers. Ran in tandem. Reamed all of hole. Partial returns in cellar, around conductor pipe, and in corner of reserve pit. Build mud volume in pit. Ran and cemented 7 jts 20" 94# H-40 casing (220') at 213' w/200 sx Class "G", 2% CaCl ₂ , 1/4# Flo-Seal/sx, followed by 407 sx Class "G", 2% CaCl ₂ . Plug down 10 PM 7-14-67. Cement did not circ. Good returns throughout job. WOC 6 hrs. Ran 1" tbg outside of casing; found good cement at 41' from KB. Cemented through 1" tbg w/100 sx Class "G" w/2% CaCl ₂ . Cement circ. Job complete 8:30 AM 7-15-67. WOC. Nipped up BOP's. Tested BOP's and choke manifold w/1000 psi, check ok. Began drilling 12 1/4" hole at 4:30 AM 7-17-67.

CASING AND CEMENTING DETAIL

KB to CHF 20.80. Shoe joint started in hole at 7:30 PM 7-14-67. Ran 7 jts 20", Smls, 8rd casing to 213'.

Jts.	Wt.	Grade	ST&C	New	Feet	From	To
7	94#	H-40	ST&C	New	192.20	0	213

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
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FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

DATE	TD	PB	REMARKS																								
7-15, 16 & 17 (CONT.)			7 jts Total. Guide shoe at 213'. Cemented at 213' w/200 sx Class "G" w/1/4# Flo-Seal/sx and 407 sx Class "G" w/2% CaCl. Plug down 10 PM 7-14-67.																								
			<u>REMARKS</u> Cement did not circ. Cemented w/1" pipe at 41' w/100 sx Class "G" w/2% CaCl ₂ . Job complete at 8:30 AM 7-15-67.																								
7-18			546. Drilling. Dev: 3/4° at 309', 1/2° at 369' and 459'. Mud: 9.1 x 40 x 3.4																								
7-19			675. Drilling. Dev: 3/4° at 546' and 630'. Laid down 13 bad DC's. Mud: 9.1 x 39 x 5.6																								
7-20			1167. Drilling. Dev: 1/2° at 737' and 850', 3/4° at 1008'. Laid down three DC's, had to cut off one DC. Broke tongs. Picked up (5) 9" DC's. Mud: 9.1 x 40 x 4																								
7-21			1728. Drilling. Dev: 3/4° at 1696'. 4 1/2 hrs trip; broke and checked all DC's. Mud: 9.2 x 47 x 4.4																								
7-22, 23 & 24			2818. Drilling. Dev: 1° at 2490, 1 1/2° at 2571, 1 3/4° at 2766 and 2810. Mud: 9.1 x 43 x 5																								
7-25			2975. Tripping. Dev: 1 3/4° at 2810', 2° at 2880', 2938' and 2973'. Mud: 9.2 x 55 x 3.8																								
7-26			3023. Running 9 5/8" csg. Dev: 2° at 3020. Mud: 9.2 x 52 x 4.2.																								
7-27			3023. WOC. Nippled up 12 hrs. Ran 90 jts (2996.78') 9 5/8" 40# 8rd casing and set at 3019'. Cemented 1st stage w/540 sx 1:1 poz, Class "G" followed by 200 sx Class "G" Neat. Plug down 7:56 AM 7-26-67. 2nd stage consisted of 1400 sx 1:1 poz, Class "G" Neat w/2% CaCl ₂ followed by 400 sx Class "G" Neat w/2% CaCl ₂ . Plug down 5:53 PM 7-26-67. Cement circulated. DV collar at 1462, float collar at 2938, float shoe at 3019.																								
			<u>CASING AND CEMENTING DETAIL</u> KB to CHF 20.80. Shoe joint started in hole at 5 AM 7-26-67. Ran 90 jts 9 5/8", Smls, 8rd casing to 3019'.																								
			<table border="1"> <thead> <tr> <th>Jts.</th> <th>Wt.</th> <th>Grade</th> <th>ST&C</th> <th>New</th> <th>Feet</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>85 + DV</td> <td>40</td> <td>J-55</td> <td>LT&C</td> <td>New</td> <td>2789.64</td> <td>0 + 22.22</td> <td>2811.86</td> </tr> <tr> <td>5 + Float & Shoe</td> <td>40</td> <td>N-80</td> <td>LT&C</td> <td>New</td> <td>207.14</td> <td>2811.86</td> <td>3019.00</td> </tr> </tbody> </table>	Jts.	Wt.	Grade	ST&C	New	Feet	From	To	85 + DV	40	J-55	LT&C	New	2789.64	0 + 22.22	2811.86	5 + Float & Shoe	40	N-80	LT&C	New	207.14	2811.86	3019.00
Jts.	Wt.	Grade	ST&C	New	Feet	From	To																				
85 + DV	40	J-55	LT&C	New	2789.64	0 + 22.22	2811.86																				
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WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
7-27 (CONT.)			<p>90 jts Total. DV Collar at 1462. Float Collar at 2938. Float Shoe at 3019. Baffle Collar at 2896. 4 Larkin Centralizers: Spaced at 3017' out at 2933 at 1469, and 3000 at 1457'. 2 Baker metal petal bsks. at 1497 and 1531. Cementing: Broke circulation at 9:45 AM w/300 psi. Circulated 60 min. With 20 bbls water ahead, cemented through shoe at 3019' w/540 sx, 1:1 poz Class "G" cement, 2% gel, and 200 sx Class "G" Neat. Wt. 14.6 and 15.8#/gal. Mixing complete in 18 min. Pressure: Max 200, min 200, avg 200. Plug down 11:56 AM 7-26-67. Pressure: Max 1200, min 0, avg 600. Pressure to 1000 psi in 17 min. Held 3 min. Bled back 1 bbl.</p> <p><u>REMARKS</u> Circ 4 hrs after opening DV. 2nd stage: w/20 bbls water ahead, cemented through DV at 1462 w/1400 sx 1:1 poz Class "G" & 400 sx Class "G" Neat w/2% CaCl₂. Wt. 14.5 & 15.7#/gal. Mixing completed in 35 mins. Max 250 psi, min 200, avg 200. Plug down 5:53 PM 7-26-67. Press: max 1000, min 200, avg 500. Pressured to 1500 psi in 14 min. Held 5 min. Bled back 1/2 bbl. Cement circ'd.</p>
7-28			3023. Nippling up. WOC 24 hrs.
7-31			<p>3241. Drilling. Dev: 2° at 3083, 3° at 3152, 2 3/4° at 3192. Press tested BOP equipment to 1500 psi. Press tested casing after drilling DV and before drilling shoe w/1500 psi. Mud: 8.7 x 40 x 4.2 (Oil 2 1/2%)</p>
8-1			<p>3363. Drilling. Dev: 1 3/4° at 3248, 2° at 3277, and 2 1/4° at 3332. Mud: 8.8 x 32 x 3.8 (Oil 2%)</p>
8-2			<p>3593. Drilling. Dev: 2° at 3375', 3400', 3433', 3493', and 3555'. Mud: 8.9 x 38 x 4.6 (Oil 2%)</p>
8-3			<p>3728. Tripping. Dev: 2° at 3602, 3675, and 3726. Mud: 8.9 x 39 x 4.2 (Oil 2%)</p>
8-4			<p>3942. Drilling. Dev: 1 3/4° at 3826, 2° at 3915. Mud: 8.9 x 37 x 4.2 (Oil 2%)</p>
8-5, 6 & 7			<p>4570. Drilling. Dev: 2° at 4009, 1 1/2° at 4130, 1 1/4° at 4301, 1 1/2° at 4495. Mud: 8.8 x 40 x 4 (Oil 2%)</p>
8-8			<p>4714. Tripping. Dev: 1 1/4° at 4604 and 4714'. Magnoflaxed all DC's for 2 hrs; down 1 hr for rig repair. Mud: 8.8 x 37 x 4 (Oil 2%)</p>

WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
FROM 5-12 TO 12-26-67	DIVISION	Rocky Mountain	ELEV	9569 KB
	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
8-9			4922. Tripping. Dev: 1 1/2° at 4832 and 4922'. Mud: 8.9 x 37 x 4 (Oil 2%)
8-10			5125. Drilling. Dev: 1 3/4° at 5008'. Mud: 8.8 x 38 x 3.8 (Oil 2%)
8-11			5246. Drilling. Dev: 1 1/2° at 5134 and 5186. Mud: 9 x 38 x 3.6 (Oil 2%)
8-12, 13 & 14			5747. Drilling. Dev: 1 1/2° at 5351 and 5455, 1° at 5658. Mud: 9 x 39 x 3.2 (Oil 2%)
8-15			5894. Drilling. Dev: 2° at 5860'. Mud: 9 x 37 x 3.2 (Oil 2%)
8-16			6040. Tripping. Dev: 1 1/2° at 5951 and 6040. Mud: 8.9 x 37 x 4 (Oil 2%)
8-17			6163. Drilling. Dev: 1 3/4° at 6127. Down two hrs for rig repair. Mud: 8.9 x 37 x 4.8 (Oil 2%)
8-18			6249. Tripping. Dev: 1 3/4° at 6180. 3 hrs on 20 day magnoflux inspection. Mud: 8.8 x 38 x 4.8 (Oil 1 1/2%)
8-19, 20 & 21			6660. Drilling. Dev: 1 3/4° at 6632, 1 1/2° at 6432, 1 1/4° at 6594. Mud: 8.9 x 37 x 4 (Oil 2%)
8-22			6762. Drilling. Dev: 3/4° at 6680. Mud: 8.9 x 39 x 3.6 (Oil 2%)
8-23			6910. Tripping. Dev: 1° at 6822. Mud: 9 x 38 x 3.4 (Oil 2%)
8-24			7022. Drilling. Mud: 9 x 38 x 3.4 (Oil 2%)
8-25			7095. Drilling. Dev: 1 1/4° at 7040. Mud: 9 x 37 x 4 (Oil 2%)
8-26, 27 & 28			7423. Tripping. Dev: 1 3/4° at 7345, 1 3/4° at 7348. Mud: 9 x 37 x 3.8 (Oil 2%)
8-29			7543. Drilling. Magnofluxed DC's; no defects. Mud: 9 x 38 x 3.6 (Oil 2%)
8-30			7674. Drilling. Dev: 1 1/4° at 7600'. Mud: 9 x 38 x 3.6 (Oil 2%)

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<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
8-31			7768. Tripping. Dev: 2 3/4° at 7767. Mud: 9.1 x 38 x 4 (Oil 2%)
9-1			7802. Drilling. 11 1/4 hrs reaming with 48" integral bladed stabilizer from 7683-7768. Mud: 9 x 37 x 4 (Oil 2%)
9-2, 3, 4, & 5			8130. Drilling. Dev: 2 1/2° at 7915, 3° at 7970, 2 1/2° at 8003, 3° at 8045. Mud: 8.9 x 39 x 4 (Oil 3%)
9-6			8270. Tripping. Dev: 2 3/4° at 8172. Mud: 8.9 x 39 x 3.8 (Oil 4%)
9-7			8412. Drilling. Dev: 2 1/2° at 8260, 2 3/4° at 8379. Mud: 8.9 x 38 x 3.4 (Oil 3%)
9-8			8556. Drilling. Dev: 3° at 8479. Down 4 1/4 hrs for magnoflux inspection. Mud: 9 x 37 x 4 (Oil 3%)
9-9, 10 & 11			8896. Drilling. Dev: 3° at 8580, 2 1/2° at 8670, 3° at 8783 and 8823. Mud: 9 x 38 x 3.4 (Oil 4%)
9-12			9074. Drilling. Dev: 3 1/4° at 8985. Mud: 9 x 38 x 3.6 (Oil 3%)
9-13			9206. Drilling. Dev: 3° at 9100'. Mud: 9 x 37 x 4 (Oil 4%)
9-14			9303. SD for rotary repairs. Dev: 3° at 9210, 2 3/4° at 9283. Mud: 9.1 x 38 x 3.4 (Oil 3%)
9-15			9390. Drilling. Down 11 1/2 hrs for rig repairs. Mud: 9 x 38 x 4 (Oil 3%)
9-16, 17 & 18			9805. Drilling. Dev: 3° at 9390, 9480, 9616, and 3 1/4° at 9738. Mud: 9.1 x 39 x 3.4 (Oil 3%)
9-19			9965. Drilling. Dev: 4 1/2° at 9835. Mud: 9.1 x 39 x 3.4 (Oil 3%)
9-20			10,105. Drilling. Dev: 4 1/2° at 10,000'. Strapped DP. SLM 10,036.42 = 10,035.28 (No correction). Mud: 9.1 x 38 x 3.6 (Oil 3%)
9-21			10,219. Tripping. Dev: 4° at 10,190. Mud: 9 x 39 x 4 (Oil 3%)

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9-22			10,368. Tripping. Dev: 4 1/4° at 10,200'. Mud: 9 x 38 x 3.8 (Oil 3%)
9-23, 24 & 25			10,628. Drilling. Dev: 4° at 10,348, 3 3/4° at 10,500, 3 1/2° at 10,585. Mud: 9.1 x 39 x 2.6 (Oil 3%)
9-26			10,758. Drilling. Dev: 3 1/4° at 10,700'. Mud: 9.1 x 39 x 3.4 (Oil 3%)
9-27			10,880. Tripping. Dev: 3 1/4° at 10,765. Mud: 9 x 40 x 3.8 (Oil 3%)
9-28			10,969. Tripping. Dev: 3° at 10,880 and 10,964. 3 1/2 hrs magnofluxing DC's and tools - 20 day inspection. Mud: 9.2 x 39 x 4.4 (Oil 3%)
9-29			11,072. Drilling. Dev: 3° at 11,045. Mud: 9.2 x 42 x 3.6 (Oil 3%)
9-30 - 10-2			11,412. Drilling. Dev: 3° at 11,135', 11,230', 11,310'. Mud: 9.1 x 42 x 3.6 (Oil 3%)
10-3			11,481. Tripping. Dev: 2 3/4° at 11,411. Mud: 9.2 x 40 x 3.6 (Oil 3%)
10-4			11,578. Drilling. Dev: 2° at 11,540. Mud: 9.1 x 42 x 3.8 (Oil 3%)
10-5			11,676. Tripping. Dev: 2 1/4° at 11,660. SAMPLE TOP MESAVERDE 11,544 (-1991) Mud: 9.1 x 40 x 3.6 (Oil 3%)
10-6			11,748. Drilling. Mud: 9.1 x 40 x 3.6 (Oil 3%)
10-7, 8 & 9			12,017. Tripping. Dev: 2 1/4° at 12,000'. Mud: 9.2 x 42 x 3 (Oil 3%)
10-10			12,121. Drilling. Mud: 9.1 x 38 x 3.4 (Oil 3%)
10-11			12,213. Drilling. Mud: 9.1 x 39 x 3.4 (Oil 3%)
10-12			12,278. Drilling. Misrun on deviation at 12,176. Mud: 9.1 x 40 x 3.6 (Oil 3%)

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<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
11-14			15,200. Drilling. Mud: 9.4 x 45 x 2 (Oil 5%)
11-15			15,316. Drilling. Dev: 6 1/2° at 15,200. Mud: 9.4 x 52 x 2 (Oil 4%)
11-16			15,386. Tripping. Dev: 6 1/2° at 15,350. Four hrs stringing up new drilling line. Mud: 9.5 x 41 x 1.4 (Oil 5%)
11-17			15,494. Tripping. Dev: 6 1/2° at 15,355, 7° at 15,460. Mud: 9.4 x 43 x 2.6 (Oil 5%)
11-18, 19 & 20			15,667. Tripping. Dev: 7 1/2° at 15,564, 7 1/4° at 15,660. Mud: 9.5 x 41 x 1.6 (Oil 5%)
11-21			15,711. Tripping. SAMPLE TOP FT UNION 8,940 (+629) LOG TOP (Phillips 1-A) MESAVERDE 11,660 (-2091) HILLIARD 13,520 (-3951) FRONTIER 15,491 (-5922) FRONTIER 14,889 (-5963) Mud: 9.4 x 44 x 2 (Oil 5%)
11-22			15,797. Drilling. Mud: 9.5 x 44 x 1.6 (Oil 5%)
11-23 - 11-27			15,930. Tripping. On trip out w/bit, had tight connections on bottom. On trip in w/another bit, hit fill at 15,192'. Spent 20 hrs washing and reaming from 15,192-15,857'. Drilled 60' of new hole to 15,917 in 13 1/2 hrs. Pulled 10 stands (very little, if any, drag). Reran three stands and one single; hit fill at 15,297'. Spent 11 hrs washing and reaming from 15,297-15,699'. Made trip for new bit and hit fill on trip in at 15,668'. Washed and reamed from 15,668-15,917 for 16 hrs to condition hole. Drilled 13' new hole in five hrs. Circ 3 1/4 hrs for samples. Pulled 20 stands and ran back to 45' of bottom before hitting fill. Mud: 9.5 x 51 x 2.2 (Oil 4%)
11-28			15,949. Drilling. Mud: 9.5 x 50 x 2 (Oil 4%)
11-29			16,024. Drilling. Mud: 9.4 x 47 x 2.4 (Oil 5%)
11-30			16,034. Washing and reaming at 15,415. Magnoflaxed on 20 day inspection. SAMPLE TOP DAKOTA 15,958 (-6389) Mud: 9.6 x 45 x 2.2 (Oil 3%)

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12-20			TD 16,390. Prep to run velocity survey. Summary of Logging Operations as follows:																																															
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WEEKLY DRILLING REPORT

(HENRY'S FORK UNIT) BRIDGER LAKE FIELD

SHELL OIL COMPANY	LEASE	Government	WELL	43X-28
	DIVISION	Rocky Mountain	ELEV	9569 KB
FROM 5-12 TO 12-26-67	COUNTY	Summit	STATE	Utah

<u>DATE</u>	<u>TD</u>	<u>PB</u>	<u>REMARKS</u>
12-22 -			
12-26			<p>Well Plugged and Abandoned. Set 9 5/8" Halliburton DC squeeze pkr at 2946. Broke down formation in OH w/mud at 1700 psi. Max rate - 10 B/M, min - 2 B/M. Pumped approx 15,000 bbls in 43 hrs. Set sealing plug in pkr w/1700 psi. Circ'd DP. Cemented from 2916-2815 w/35 sx 1:1 poz, .4% HR-4. Laid down DP. Cleaned tips; drained pump and lines. Removed BOP's and 9 5/8" csghead. Cemented from 75' - surface. Welded cap on csg and will install abandonment later. Released rig 8 AM 12-25-67. Elev: 9569 KB</p> <p><u>LOG TOPS:</u></p> <p>Mesaverde 11,550 (-1981) Hilliard 13,539 (-3970) Frontier 15,510 (-5941) Mowry 15,710 (-6141) Dakota 16,028 (-6459) Morrison 16,365 (-6796)</p> <p>FINAL REPORT.</p>

DITCH SAMPLES

Examined by: Frank Quilici

Field: Bridger Lake Area

From: 15,700' To 16,390'

Well: Gov't 43X-28

<u>FROM</u>	<u>TO</u>	<u>%</u>	<u>SHOWS UNDERLINED</u>
15,700	15,740	85	Shale, dark gray-black, carbonaceous.
		10	Siltstone, gray, III-I, vf-f, somewhat cherty.
		5	Sandstone, salt & pepper, some reddish brown, III-I B, med. to coarse, silica cemented.
15,740	15,920	70	Shale, gray to gray-brn, carbonaceous.
		30	Siltstone, a.a. micaceous.
15,920	16,055	50	Shale, a.a.
		20	Siltstone, a.a.
		30	Sandstone, white to salt & pepper, med to coarse, III to III-I B cemented w/silica, cherty, friable, glassy, no shows.
16,055	16,065	30	Shale, a.a.
		20	Siltstone, a.a.
		50	Sandstone, white to lt gray, III-B, med to coarse grains, pores are clay filled, no shows.
		trace	Bentonite, white, nonswelling.
16,065	16,085	15	Shale, a.a.
		10	Siltstone, a.a.
		75	Sandstone, a.a.
16,085	16,115	50	Shale, a.a.
		20	Siltstone, a.a.
		30	Sandstone, a.a.
16,115	16,135	20	Shale, a.a.
		20	Siltstone, a.a.
		60	Sandstone, white to gray, some glassy pores, clay filled, III-B, coarse grains, no shows.
16,135	16,155	50	Shale, a.a.
		20	Siltstone, a.a.
		30	Sandstone, a.a.
16,155	16,170	30	Shale, red and a.a.
		20	Siltstone, a.a.
		20	Sandstone, a.a.
		30	Bentonite, white, soft, waxy, nonswelling.
16,170	16,185	30	Shale, a.a., some purple
		20	Siltstone, a.a.
		20	Sandstone, a.a.
		30	Bentonite, a.a.

Examined by: Frank Quilici

Field: Bridger Lake Area

From: 15,700 to 16,390

Well: Gov't 43X-28

<u>FROM</u>	<u>TO</u>	<u>%</u>	<u>SHOWS UNDERLINED</u>
16,185	16,235	40	Shale, a.a.
		10	Siltstone, a.a.
		50	Sandstone, a.a., <u>some dead spty O.S.</u> , no cut, no fluor.
		10	Bentonite, a.a.
16,235	16,300	30	Shale, a.a.
		10	Siltstone, a.a.
		50	Sandstone, a.a.
		10	Bentonite, a.a.
16,300	16,360	20	Shale, a.a.
		10	Siltstone, a.a.
		70	Sandstone, a.a.
		trace	Bentonite.
16,360	16,390	60	Shale, a.a., some brn, mottled.
		20	Siltstone, a.a.
		20	Sandstone, a.a.

HENRY'S FORK UNIT

PETROLEUM ENGINEERS

JAMES W. BURCHELL
MAY 12 - 1967

Copy
BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

"FR" Sulenta Construction Company preparing road and location (estimate 40% complete).
Located 1520' FSL and 1220' FEL
Section 28-T3N-R14E, Summit County, Utah
16,000' Dakota Test
Elev: 9500 GL (Est)
Shell Working Interest - 89.4%
Drilling Contractor - Noble Drilling Corp.
Will carry progress report weekly until road and location are complete.

MAY 19 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

(RRD 5-12-67)
Location - Est 80% complete
Road construction - 60% complete
Estimate of two to three more weeks depending on weather conditions. Will carry progress report weekly until road and location are complete.

HENRY'S FORK UNIT
Bridger Lake Field
Government 43X-28
(PDET) Noble

(RRD 5-19-67)
Location 90% complete (Est)
Road construction 70% complete (Est)
Estimate 10 to 14 days more to complete road and location if weather permits. Will carry progress reports weekly until locations are complete.

MAY 26 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

(RRD 5-26-67)
Location 90% complete (Est)
Road construction 70% complete (Est)
No progress this past week due to inclement weather. Will carry progress reports weekly until locations are complete.

JUN 2 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

(RRD 6-2-67)
Preparing road and location.
Have completed plating of road bed with pit run gravel. Due to rain and snow Thursday, it was necessary to dispense w/ crushing of rock because of wet rock plugging screen. Moving in components of rig from Reno Field to a temporary location at Forestry boundary. (Estimate) Weather permitting, should begin rigging up in approximately one week.

JUN 9 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

(RRD 6-9-67)
Unable to complete road and location because of inclement weather this past week (rain and snow) and soft road bed with some washed out sections. Estimate with a week of good weather would be ready to RURT.
Will carry progress report weekly until road and location complete.

JUN 16 1967

COMMISSIONERS

C. S. THOMSON



PETROLEUM ENGINEERS

PAUL W. BURCHELL

CHIEF ENGINEER

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

7-28-67

(RRD 6-16-67)

Working on road and location (weather permitting)
Estimate location 90 percent and road 85 percent complete.
Locally heavy rains in the area, large accumulations of
winter and spring snows melting slowly because of heavy
timber cover and frost leaving the ground has complicated
and is slowing construction progress. During the past week,
for better drainage, have been cutting and disposing of
timber in the drainage areas adjacent to culverts, also
hauling and dumping large size pit run materials in the low,
soft areas of the road bed. Note: (To date, for road bed
base, have spread more than 12,500 cubic yards of pit run
gravel). Will report progress weekly until road and location
complete.

TEAM

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
PDET) Noble

(RRD 6-23-67)

Elev: 9548.5' GL

Constructing road and location. Had four days of good weather
this week. Hauling and spreading pit run gravel on location.
Dry hole digger on location; have drilled 36' of 36" OD
conductor hole. Dug cellar, drilling rat hole, mouse hole
and holes for 13-3/8" OD piling which will be cemented in
place for substructure base support. Weather permitting, plan
to pour cement pads today. (Estimate) Plan to start moving
in rig about middle of next week. Will report progress weekly
until road and location complete.

JUN 30

HENRY'S FORK UNIT
Bridger Lake Field
Gov't 43X-28
(PDET) Noble

MI & RURT. (RRD 6-30-67)

JUL 6 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

MI & RURT.

JUL 7 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

RURT; prep to spud.

JUL 11 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

100/175/1/100 Drilling. Spudded 11:45 PM 7-11-67. Drilled
12 $\frac{1}{4}$ " hole to 100'. Lost 120 bbls mud before spudding while
filling 30" conductor casing which was set with dry-hole
digger. Mixed new mud with 19#/bbl LCM. Regained circ
prior to spudding
Mud: 8.5 x 205 x 8

JUL 12 1967

UTAH

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

215/175/2/115 Reaming out hole to 26" at 132'. Drilled out
12 $\frac{1}{4}$ " hole to 215'; reamed out hole to 17 $\frac{1}{2}$ ". Dev: 0° at 90',
 $\frac{1}{4}$ ° at 150', $\frac{1}{4}$ ° at 215'.
Mud: 9 x 252 x 3.8 (LCM - 19#/bbl) (No mud lost)

JUL 13 1967

UTAH

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

215/175/3/0 Running 20" csg. Reamed 26" hole to 215'. Ran
5 jts 20" csg to 132'; could not get by boulder. Pulled
casing. Made trip with 26" reamer and washed and reamed
hole. Lost 120 bbls mud. Mixed mud and LCM.
Mud: 9 x 150 x 8 (LCM - 18#/bbl)

JUL 14 1967



BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

210/175/3/15 Drilling. 20" casing to 15'; bit roller
and could not get casing down. Picked up 7 -
26" hole openers. Ran in tandem. Roamed all of hole. Partial
returns in cellar, around conductor pipe, and in corner of
reserve pit. Built mud volume in pit. Ran and cemented 7 jts
20" 94# H-40 casing (220') at 213' w/200 sx Class "G", 2% CaCl₂,
1/4# Flo-Seal/sx, followed by 407 sx Class "G", 2% CaCl₂. Plug
down 10 PM 7-14-67. Cement did not circ. Good returns through-
out job. WOC 6 hrs. Ran 1" tbg outside of casing; found good
cement at 41' from KB. Cemented through 1" tbg w/100 sx Class
"G" w/2% CaCl₂. Cement circ. Job complete 8:30 AM 7-15-67.
WOC. Nipped up BOP's. Tested BOP's and choke manifold w/1,000
psi, check ok. Began drilling 12 1/2" hole at 4:30 AM 7-17-67.
Mud: 9.1 x 40 x 3.4

7-17-67

UTAH

HENRY'S FORK UNIT

JUL 18

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

546/175/7/296 Drilling. Dev: 3/4° at 309', 1/2° at 369' and
459'.
Dev: 9.1 x 40 x 3.4

UTAH

HENRY'S FORK UNIT

JUL 19

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

675/175/8/129 Drilling. Dev: 3/4° at 546' and 630'. Laid
down 13 bad DC's.
Mud: 9.1 x 39 x 5.6

UTAH

HENRY'S FORK UNIT

JUL 20 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

1167/175/9/492 Drilling. Dev: 1/2° at 737' and 850', 3/4°
at 1008'. Laid down three DC's, had to cut off one DC. Broke
tongs. Picked up (5) 9" DC's.
Mud: 9.1 x 40 x 4

JUL 21 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

1728/175/10/561 Drilling. Dev: 3/4° at 1696'. 4 1/2 hrs trip;
broke and checked all DC's.
Mud: 9.2 x 47 x 4.4

BRIDGER LAKE FIELD
Government 32X-28
(PDET) Noble

2818/175/13/1090 Drilling. Dev: 1° at 2490, 1 1/2° at 2571,
1-3/4° at 2766 and 2810'.
Mud: 9.1 x 43 x 5

7-22-23 + 24-67

UTAH

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

AUG 1 1967
3363/175/21/122 Drilling. Dev: 1-3/4° at 3248, 2° at 3277, and
2 1/4° at 3332.
Mud: 8.9 x 38 x 4.6 (Oil 2%)

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

AUG 2 1967
3593/175/22/232 Drilling. Dev: 2° at 3375', 3400', 3433',
3493', and 3555'.
Mud: 8.9 x 38 x 4.6 (Oil 2%)

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

AUG 3 1967
3728/175/23/135 Tripping. Dev: 2° at 3602, 3675 and 3726.
Mud: 8.9 x 39 x 4.2 (Oil 2%)

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

AUG 4 1967
3942/175/24/214 (0 days) Drilling. Dev: 1-3/4° at 3826,
2° at 3915.
Mud: 8.9 x 37 x 4.2 (Oil 2%)

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

August 5, 6 & 7, 1967
4570/175/27/628 Drilling. Dev: 2° at 4009, 1 1/2° at 4130,
1 1/4° at 4301, 1 1/2° at 4495.
Mud: 8.8 x 40 x 4 (Oil 2%)

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

AUG 8 1967
4714/175/28/144 Tripping. Dev: 1 1/4° at 4604 and 4714'.
Magnoflaxed all DC's for 2 hrs; down 1 hr for rig repair.
Mud: 8.8 x 37 x 4 (Oil 2%)

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

AUG 9 1967
4922/175/29/208 Tripping. Dev: 1 1/2° at 4832 and 4922'.
Mud: 8.9 x 37 x 4 (Oil 2%)

HENRY'S FORK UNIT

AUG 10 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

5125/175/30/203 Drilling. Dev: 1-3/4° at 5008'.
Mud: 8.8 x 38 x 3.8 (Oil 2%)

HENRY'S FORK UNIT

Aug 11, 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

5246/175/31/121 (0 days) Drilling. Dev: 1 1/2° at 5134 and 5186.
Mud: 9 x 38 x 3.6 (Oil 2%)

HENRY'S FORK UNIT

AUG 14 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

5747/175/34/501 Drilling. Dev: 1 1/2° at 5351 and 5455,
1° at 5658.
Mud: 9 x 39 x 3.2 (Oil 2%)

HENRY'S FORK UNIT

AUG 15 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

5894/175/35/147 Drilling. Dev: 2° at 5860'.
Mud: 9 x 37 x 3.2 (Oil 2%)

HENRY'S FORK UNIT

AUG 16 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

6040/175/36/146 Tripping. Dev: 1 1/2° at 5951 and 6040.
Mud: 8.9 x 37 x 4 (Oil 2%)

HENRY'S FORK UNIT

AUG 17 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

6163/175/37/123 Drilling. Dev: 1-3/4° at 6127. Down two-hrs
for rig repair.
Mud: 8.9 x 37 x 4.8 (Oil 2%)

HENRY'S FORK UNIT

AUG 18 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

6249/175/38/86 (2 1/2 days) Tripping. Dev: 1-3/4° @ 6180.
3 hrs on 20 day magnoflux inspection.
Mud: 8.8 x 38 x 4.8 (Oil 1 1/2%)

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

6660/175/41/411 Drilling. Dev: 1-3/4° @ 6632, 1 1/2° @ 6432,
1 1/4° @ 6594.
Mud: 8.9 x 37 x 4.0 (Oil 2%)

8-19-20721-1967

U144

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

6762/175/42/102 Drilling. Dev: 3/4° @ 6680.
Mud: 8.9 x 39 x 3.6 (Oil 2%)

AUG 2 3 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Gov't 43X-28
(PDET) Noble

6910/175/43/148 Tripping. Dev: 1° @ 6822.
Mud: 9.0 x 38 x 3.4 (Oil 2%)

AUG 2 3 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Gov't 43X-28
(PDET) Noble

7095/175/45/73 (-4 days) Drilling. Dev: 1 1/4° @ 7040.
Mud: 9.0 x 37 x 4.0 (Oil 2%)

AUG 2 5 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Gov't 43X-28
(PDET) Noble

7423/175/48/328 Tripping. Dev: 1-3/4° @ 7345, 1-3/4° @ 7348.
Mud: 9.0 x 37 x 3.8 (Oil 2%)

8-26-27428-1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Gov't 43X-28
(PDET) Noble

AUG 2 9 1967
7543/175/49/120 Drilling. Magnoflaxed DC's; no defects.
Mud: 9 x 38 x 3.6 (Oil 2%)

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

AUG 3 0 1967
7674/175/50/131 Drilling. Dev: 1 1/4° at 7600'.
Mud: 9.0 x 38 x 3.6 (Oil 2%)

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

AUG 3 1 1967
7768/175/51/94 Tripping. Dev: 2-3/4° at 7767.
Mud: 9.1 x 38 x 4.0 (Oil 2%)

HENRY'S FORK UNIT

SEP 1 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

7802/175/52/34 (-6 days) Drilling. 11 $\frac{1}{4}$ hrs reaming with
48" integral bladed stabilizer from 7683-7768.

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

8130/175/56/328 Drilling. Dev: 2 $\frac{1}{2}$ $^{\circ}$ at 7915, 3 $^{\circ}$ at 7970,
2 $\frac{1}{2}$ $^{\circ}$ at 8003, 3 $^{\circ}$ at 8045.
Mud: 8.9 x 39 x 4 (Oil 3%) 7-9, 3, 4, 5 1967

HENRY'S FORK UNIT

SEP 6 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

8270/175/57/140 Tripping. Dev: 2-3/4 $^{\circ}$ at 8172.
Mud: 8.9 x 39 x 3.8 (Oil 4%)

HENRY'S FORK UNIT

SEP 7 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

8412/175/58/142 Drilling. Dev: 2 $\frac{1}{2}$ $^{\circ}$ at 8260, 2-3/4 $^{\circ}$ at 8379.
Mud: 8.9 x 38 x 3.4 (Oil 3%)

HENRY'S FORK UNIT

SEP 8 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

8556/175/59/144 (-7 days) Drilling. Dev: 3 $^{\circ}$ at 8479. Down
4 $\frac{1}{4}$ hrs for magnoflux inspection.
Mud: 9 x 37 x 4 (Oil 3%)

HENRY'S FORK UNIT

9-9, 10 & 11 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

8896/175/62/340 Drilling. Dev: 3 $^{\circ}$ at 8580, 2 $\frac{1}{2}$ $^{\circ}$ at 8670,
3 $^{\circ}$ at 8783 and 8823.
Mud: 9 x 38 x 3.4 (Oil 4%)

HENRY'S FORK UNIT

SEP 18 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

9074/175/63/178 Drilling. Dev: 3 $\frac{1}{4}$ $^{\circ}$ at 8985.
Mud: 9 x 38 x 3.6 (Oil 3%)

HENRY'S FORK UNIT

SEP 13 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

9206/175/64/132 Drilling Dev: 3° at 9100'.
Mud: 9 x 37 x 4 (Oil 4%)

HENRY'S FORK UNIT

SEP 14 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

9303/175/65/97 SD for rotary repairs. Dev: 3° at 9210,
2-3/4° at 9283.
Mud: 9.1 x 38 x 3.4 (Oil 3%)

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

9390/175/66/87 (-8 days) Drilling. Down 1 1/2 hrs for rig
repairs.
Mud: 9 x 38 x 4 (Oil 3%) 9-15-1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

9505/175/67/45 Drilling. Dev: 3° at 9390, 9480, 9616,
and 3 1/4° at 9738.
Mud: 9.1 x 39 x 3.4 (Oil 3%) 9-16, 17 & 18-1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

9965/175/70/160 Drilling Dev: 4 1/2° at 9835.
Mud: 9.1 x 39 x 3.4 (Oil 3%) 9-19-1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

10,105/175/71/140 Drilling. Dev: 4 1/2° at 10,000'.
Strapped DP. SIM 10,036.42 = 10,035.28 (No correction).
Mud: 9.1 x 38 x 3.6 (Oil 3%) 9-20-67

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

10,219/175/72/114 Tripping. Dev: 4° at 10,190.
Mud: 9 x 39 x 4 (Oil 3%) 9-21-67

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

10,368/175/73/149 (-8 days) Tripping. Dev: 4 1/4° at 10,200'.
Mud: 9 x 38 x 3.8 (Oil 3%) 9-22-67

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

10,628/175/76/260 Drilling. Dev: 4° at 10,348, 3 3/4°
at 10,500, 3 1/2° at 10,585.
Mud: 9.1 x 39 x 2.6 (Oil 3%) 9-23, 24 & 25, 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

10,758/175/77/130 Drilling. Dev: 3 1/4° at 10,700'.
Mud: 9.1 x 39 x 3.4 (Oil 3%) 9-26-1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

10,880/175/78/122 Tripping. Dev: 3 1/4° at 10,765.
Mud: 9 x 40 x 3.8 (Oil 3%) *Sept. 27, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

10,969/175/79/89 Tripping. Dev: 3° at 10,880 and 10,964.
3 1/2 hrs magnofluxing DC's and tools - 20 day inspection.
Mud: 9.2 x 39 x 4.4 (Oil 3%) *Sept 28, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

11,072/175/80/103 (-9 days) Drilling. Dev: 3° at 11,045.
Mud: 9.2 x 42 x 3.6 (Oil 3%) *Sept 29, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

11,412/175/83/340 Drilling. Dev: 3° at 11,135', 11,230',
11,310'.
Mud: 9.1 x 42 x 3.6 (Oil 3%) *9-30, 10-1+2, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

11,481/175/84/69 Tripping. Dev: 2 3/4° at 11,411.
Mud: 9.2 x 40 x 3.6 (Oil 3%) *Oct. 3, 1967*

Government 43X-28

(PDET) Noble

11,578/175/85/97 Drilling. Dev: 2° at 11,540.
Mud: 9.1 x 42 x 3.8 (Oil 3%) *Oct. 4, 1967*

Government 43X-28

(PDET) Noble

11,676/175/86/98 Tripping. Dev: 2 1/4° at 11,660.
SAMPLE TOP MESAVERDE 11,554 (-1991)
Mud: 9.1 x 40 x 3.6 (Oil 3%) *Oct. 5, 1967*

Government 43X-28

(PDET) Noble

11,748/175/87/72 (-10 days) Drilling.
Mud: 9.1 x 40 x 3.6 (Oil 3%) *Oct. 6, 1967*

Government 43X-28

(PDET) Noble

12,117/175/90/59 Tripping. Dev: 2 1/4° at 12,000'.
Mud: 9.2 x 42 x 3 (Oil 3%) *Oct 7, 8 9 9, 1967*

Government 43X-28

(PDET) Noble

12,117/175/91/104 Drilling.
(Correction to yesterday's depth - Should have been 12,017
instead of 12,117)
Mud: 9.1 x 38 x 3.4 (Oil 3%) *Oct. 10, 1967*

Government 43X-28

(PDET) Noble

12,213/175/92/92 Drilling.
Mud: 9.1 x 39 x 3.4 (Oil 3%) *Oct 10, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

12,278/175/93/65 Drilling. Misrun on deviation at 12,176.
Mud: 9.1 x 40 x 3.6 (Oil 3%) *Oct 12, 1967*

Government 43X-28

(PDET) Noble

12,366/175/94/88 (-13 days) Drilling.
Mud: 9.1 x 39 x 3.4 (Oil 3%) *Oct. 13, 1967*

UTAH

10-14, 15 & 16-1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

12,632/175/97/266 Drilling. Dev: 2 1/2° at 12,346, 3 1/4° at 12,470, 3 3/4° at 12,564. Changed 39 jts Grade "G" DP; picked up hard banded pipe; strung 10 lines.
Mud: 9.1 x 40 x 3.6 (Oil 3%)

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

12,747/175/98/115 Drilling. Dev: 3 3/4° at 12,688. Three hrs magnofluxing DC's and handling tools; no defects.
Mud: 9.1 x 40 x 3.2 (Oil 3%) *Oct 17, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

12,847/175/99/100 Drilling. Dev: 4 1/4° at 12,810.
Mud: 9.1 x 38 x 3.4 (Oil 3%) *Oct. 18, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

12,917/175/100/70 Drilling. Dev: 4 3/4° at 12,875.
Mud: 9.2 x 39 x 3.0 (Oil 3%) *Oct 19, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

13,020/175/101/103 (-14 days) Drilling. Dev: 4 3/4° at 12,943.
Mud: 9.2 x 39 x 3.0 (Oil 4%) *Oct. 20, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

13,414/175/104/394 Tripping. Dev: 5° at 13,030, 5 1/2° at 13,400.
Mud: 9.2 x 40 x 3.0 (Oil 4%) *10-21, 22 & 23, 1967*

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

13,445/175/105/31 Working stuck DP. Changed out 14" integral bladed stabilizer. Pipe became stuck at 4:30 AM.
Mud: 9.1 x 40 x 3.0 (Oil 4%) *Oct 24, 1967*

Government 43X-28
(PDET) Noble

13,445/175/106/0 Attempting to back off DC's at 11,786. Worked pipe 14 hrs. Spotted 40 bbls Protectomagic and worked pipe 8 hrs. Ran Dialog two hrs, freepoint is at 11,816. Backing off would leave bit, 1-20' 7 1/2" DC, 1-14" integral blade stabilizer, 1-5 1/2" sub, 1-30' 7 7/8" DC in hole. Bit at 11,842 (Dialog meas).
Mud: 9.1 x 38 x 2.8 (Oil 3%) *Oct 25, 1967*

Government 43X-28
(PDET) Noble

13,445/175/107/0 Prep to spot oil. Attempt No. 1 to back off at 11,786 unsuccessful. Second attempt backed off ok. Chained out of hole; left bit, 20' DC, (1) blade stabilizer and 1-30' DC (top of fish 11,786'). Ran Shaffer jar safety, Acme bumper sub, and Johnston jars to top of fish. Circ 2 hrs. Screwed into fish and jarred loose. Pulled 8 stands and drill string became stuck. Circ and worked string five hrs. Ran Dialog freepoint and found following results:

2,096 (top of Key seat wiper) to 10,365
10,365-10,600
10,600-bit at 11,080

Free
25% free
Stuck

Oct. 26, 1967

UTAH

OCT 27 1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

13,445/175/108/0 (-17 days) Tripping. Mixed 50 bbls diesel w/50 gals IMC free-pipe. Displaced down hole w/165 bbls mud which left 24 bbls free-pipe in annulus around DC's and 26 bbls in the DP. Let soak for two hrs. Pipe fell free. Came out of hole w/fish. Magnofluxed DC's; no defects. Picked up bit, 20' x 7 1/2" DC, 2 reamers, 1-30' DC, set of Johnston jars and 23-DC's.
Mud: 9.1 x 50 x 2.8 (Oil 3%)

Government 43X-28
(PDET) Noble

10-28, 29 & 30 - 1967

13,490/175/111/45 Spotting oil in attempt to free pipe stuck at 10,760. Washed and reamed to bottom for 35 hrs w/bit and two reamers. On trip out, pulled pipe from 11,140-10,670'. Pulled 20,000# weight up and approx 15,000# down. Pulled bit. On trip in w/another bit, began taking weight at 10,670'. Laid down one single. Picked up Kelly; washed and reamed 4 jts in. Stuck pipe when picking up singles. Worked pipe three hrs. RU to spot 50 BO w/50 gals IMC free pipe.
Mud: 9.3 x 44 x 1.6 (Oil 7%)

Government 43X-28
(PDET) Noble

Oct. 31, 1967

13,490/175/112/0 Prep to drill ahead Dev: 5 1/4° at 13,460. Spotted 50 BO to free pipe; pipe came free 8:30 AM 10-30-67 (Soaked 1/2 hr). Went to bottom, picked up Kelly, reamed and washed to bottom for two hrs over last 45' Circ at 13,490 for 4 1/2 hrs. Came out of hole and picked up new bit and stabilizers; went back to bottom w/no difficulty.
Mud: 9.3 x 48 x 1.6 (Oil 4%)

HENRY'S FORK UNIT

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

13,576/175/113/86 Drilling.
Mud: 9.3 x 48 x 2.0 (Oil 7%)

NOV 1 1967

NOV 2 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

13,641/175/114/65 Drilling. Dev: 4 3/4° at 13,550.
Mud: 9.2 x 42 x 2.0 (Oil 5%)

11-3-1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

13,731/175/115/90 (-21 days) Drilling. Dev: 4° at 13,700.
Mud: 9.3 x 46 x 1.8 (Oil 5%)

11-4, 5 & 6 - 1967

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

14,220/175/118/489 Tripping. Dev: 2 1/4° at 13,894.
Mud: 9.2 x 45 x 2.2 (Oil 5%)

BRIDGER LAKE FIELD
Government 43X-28
(PDET) Noble

14,320/175/119/100 Drilling. Dev: 1 1/2° at 14,200.
Log Tops: (Phillips 1-A) Sample Tops: (43X-28)
Hilliard 12,730 (-3804) 13,520 (-3959)
Hilliard Paleo Marker 13,385 (-4459) 13,880 (-4319)
Mud: 9.2 x 47 x 2 (Oil 5%)

Nov. 7, 1967

UTAH

HENRY'S FORK UNIT

NOV 8 1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

14,407/175/120/187 Tripping. Dev: 1 1/2° at 14,385. SLM
14,407 = 14,409.20 (no correction). Changing out DC's and
magnofluxing.
Mud: 9.3 x 41 x 1.6 (Oil 5%)

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

Nov. 9, 1967

14,494/175/121/87 Drilling. (Footage made yesterday should
have been 87' instead of 187'). Picked up and ran 25
7 x 2-3/4 spiral DC's.
Mud: 9.2 x 45 x 1.8 (Oil 5%)

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

11-10-67

14,660/175/122/166 (-19 days) Tripping.
Mud: 9.3 x 43 x 2 (Oil 5%)

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

15,026/175/125/366 SD for rig repairs. Dev: 5° at 15,005.
Down 11 1/2 hrs repairing mud pumps.
Mud: 9.4 x 45 x 1.8 (Oil 5%)

11-11, 12, 13-1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

15,200/175/126/174 Drilling.
Mud: 9.4 x 45 x 2 (Oil 5%)

11-14-1967

Government 43X-28
(PDET) Noble

15,316/175/127/116 Drilling. Dev: 6 1/2° at 15,200.
Mud: 9.4 x 52 x 2 (Oil 4%)

11-15-67

Government 43X-28
(PDET) Noble

15,386/175/128/70 Tripping. Dev: 6 1/2° at 15,350. Four hrs
stringing up new drilling line.
Mud: 9.5 x 41 x 1.4 (Oil 5%)

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

15,667/175/132/173 Tripping. Dev: 7 1/2° at 15,564, 7 1/4°
at 15,660.
Mud: 9.5 x 41 x 1.6 (Oil 5%)

11-18, 19 & 20-1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

15,494/175/129/108 (-21 days) Tripping. Dev: 6 1/2° at
15,355, 7° at 15,460.
Mud: 9.4 x 43 x 2.6 (Oil 5%)

11-17-1967

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

15,711/175/133/44 Tripping.
SAMPLE TOP FT UNION 8,940 (+629) LOG TOP (Phillips 1-A)
MESAVERDE 11,660 (-2091)
HILLIARD 13,520 (-3951)
FRONTIER 15,491 (-5922) FRONTIER 14,889 (-5963)
Mud: 9.4 x 44 x 2.0 (Oil 5%)

11-21-1967

HENRY'S FORK UNIT

BRIDGER LAKE FIELD

Government 43X-28
(PDET) Noble

Nov. 22, 1967

15,797/175/134/86 Drilling.
Mud: 9.5 x 44 x 1.6 (Oil 5%)

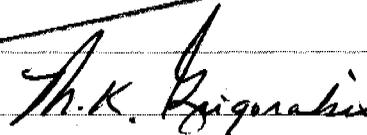
INTEROFFICE MEMORANDUM

TO	OIL AND GAS CONSERVATION COMMISSION - SALT LAKE CITY ATTENTION: MR. CLEON FEIGHT	DATE	JANUARY 12 19 68
FROM	M. K. GRIGORAKIS - SHELL OIL COMPANY ROCKY MOUNTAIN DIV. PROD. DEPT.	SUBJECT	SUPPLY OF FORMS AND YOUR APPROVED COPY OF THE
COPIES TO		REPLYING TO YOUR LETTER	NOTICE TO ABANDON GOVERNMENT 43X-28 BRIDGER LAKE FIELD SUMMIT COUNTY, UTAH

We would appreciate receiving additional supplies of your forms as we are running out quickly. Please direct them to my attention.

In checking our records, we find your approved copy of the Notice to Abandon the above-captioned well has not been received in this office; Mr. Lew Stock obtained verbal approval before abandonment took place but, for our information and file, we must have the approved copy.

Thank you.



(Miss) M. K. Grigorakis

Attachments

JAN 15 1968

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

5. LEASE DESIGNATION AND SERIAL NO.

U-029009

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

7. UNIT AGREEMENT NAME

Henry's Fork Unit

8. FARM OR LEASE NAME

Government

9. WELL NO.

43X-28

10. FIELD AND POOL, OR WILDCAT

Bridger Lake Field

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

NE/4 SE/4 Section 28-
T 3N-R 14E

12. COUNTY OR PARISH
Summit

13. STATE
Utah

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

Shell Oil Company (Rocky Mountain Division Production)

3. ADDRESS OF OPERATOR

1700 Broadway, Denver, Colorado 80202

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

At surface 1520' FSL and 1220' FEL Sec 28

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

7-11-67 12-9-67 9548.5 GL, 9569 KB 20.80

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

16,390 16,390 Total

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

Dual Induction, FDC, BHCS-GR, Dipmeter w/cal, Gravimeter & Velocity Survey No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	213	26"	707 SX	0
9-5/8"	40#	3019	12 1/4"	2540 SX	0

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)	AMOUNT AND KIND OF MATERIAL USED
As per attachments	

33.* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

Well Plugged and Abandoned

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

Well Log and History and Ditch samples

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

SIGNED R. S. Curtis For: R. L. Spottswood
TITLE Division Exploitation Engr. DATE January 12, 1968

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

Shelton

*PE
2/11/68*

FORM 600-8X

FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH
October 3, 1968

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Government 43X-28 U-029009, Bridger Lake Area
1700 Broadway
Operator Shell Oil Company Address Denver, Colo. 80202 Phone 222-8454
Contractor Noble Drilling Co. Address Tulsa, Oklahoma Phone -
Location NE 1/4 SE 1/4 Sec. 28 T. 3N R. 14 E Summit County, Utah
8 N

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1. <u>11,715-13,535 (Mesaverde)</u>		<u>Not Tested</u>	<u>Salty (Log Anal.)</u>
as follows:			
2. <u>11,850-11,880</u>		<u>"</u>	<u>"</u>
3. <u>12,075-12,120</u>		<u>"</u>	<u>"</u>
4. <u>12,125-12,205</u>		<u>"</u>	<u>"</u>
5. <u>12,260-12,285</u>		<u>"</u>	<u>"</u>

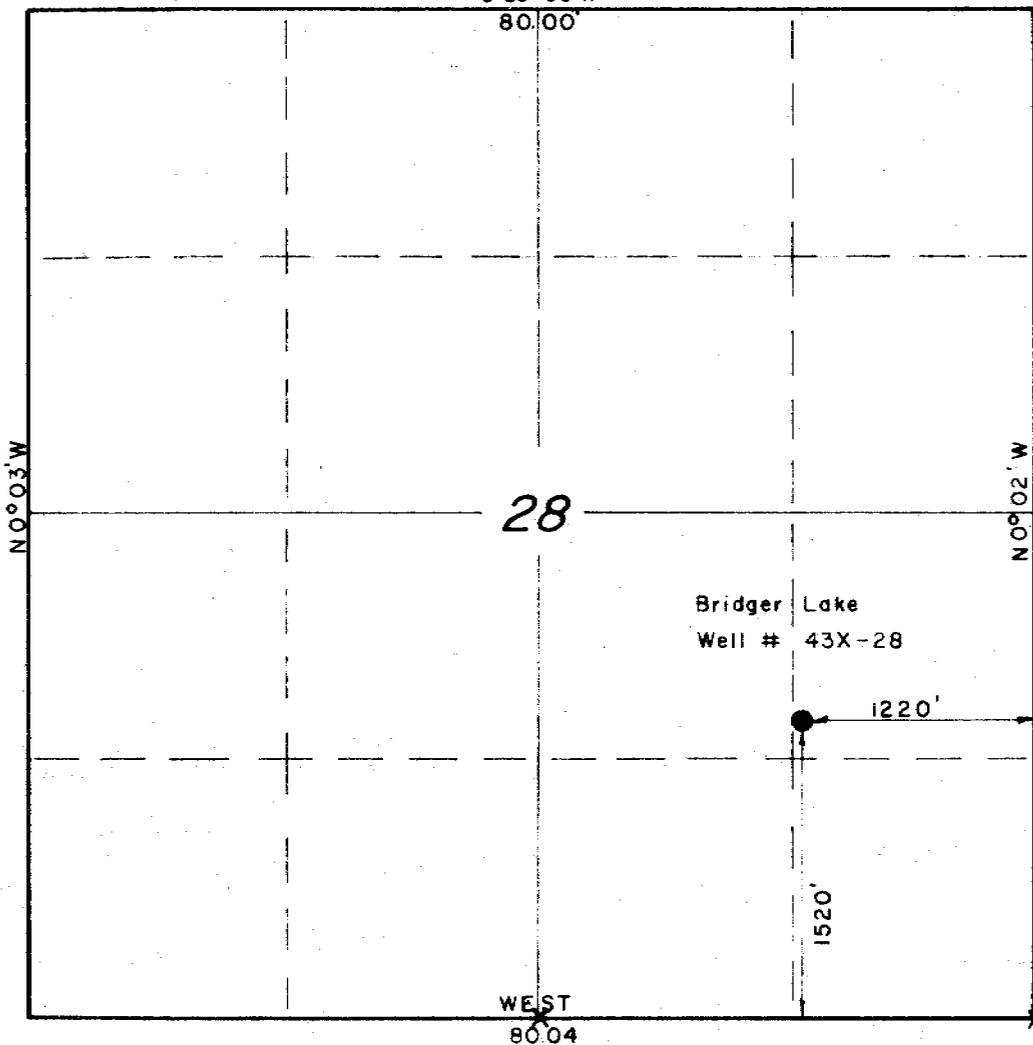
(Continued on reverse side if nec.)

<u>Formation Tops:</u>				
	Fort Union	8920	Frontier	15,511
	Mesaverde	11,715	Mowry	15,710
	Hilliard	13,535	Dakota	16,028
<u>Remarks:</u>			Morrison	16,362

- NOTE:
- (a) Upon diminishing supply forms, please inform the Commission,
 - (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.

T3N, R14E, SLB&M

S 89°59'W
80.00'

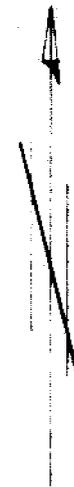


X = Corners Located (Stone)

PROJECT

SHELL OIL COMPANY

WELL LOCATION GOV'T. 43X-28, LOCATED AS SHOWN IN THE NE 1/4-SE 1/4, SEC. 28, T3N, R14E, SLB&M, SUMMIT COUNTY, UTAH.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 2454, UTAH

Uintah Engineering & Land Surveying BOX Q VERNAL, UTAH	SCALE 1" = 1000'	DATE 14 Oct. 1966
	PARTY N. J. Marshall - L. D. Taylor	REFERENCES GLO Township Plat
	WEATHER Cloudy - Cold	FILE Shell Oil Co.