

# Subsequent Report of Completion

## FILE NOTATIONS

Entered in NID File

Entered on S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief PMB

Copy NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed 10-14-66

Location Inspected

OW  WW  TA

Bond released

GW  OS  PAL

State of Fee Land

## LOGS FILED

Driller's Log Completion Report 10-28-66

Electric Logs (No. ) 3

E  I  E-I Ratio  GR  GR-N  Micro

Lat  Mi-L  Sonic  Others Neutron Porosity Log  
Formation Density Log

Jan 4



Corporation

# UNION TEXAS PETROLEUM DIVISION

SUITE B-400, 1740 BROADWAY • DENVER, COLORADO 80202 • 534-8221

August 3, 1966

U. S. Geological Survey  
P. O. Box 1809  
Durango, Colorado 81301

Re: U.S.A.-Big Horn Powder River #1  
SE SE Section 4-T38S-R26E, S.L.M.  
Wildcat  
San Juan County, Utah

Gentlemen:

With reference to the subject well, enclosed is the following:

3 copies Application for Permit to Drill (Form 9-331C)  
3 " Designation of Operator (Form 9-1123)  
1 copy Well survey plat

For your further information, our qualifying serial number is Utah-049797, which should contain a Traveler's Insurance Bond No. 1239253. This is a nationwide bond in the amount of \$150,000.

We trust this will be sufficient information to enable you to approve the above Application for Permit to Drill.

Yours very truly,

TROY C. SIMPSON  
District Superintendent

Copies of Form 9-331C and plat as follows:

1-Mr. Walter Duncan, P. O. Box 137, Durango, Colorado 81301  
1-Mr. Jack Grynberg, Petroleum Club Building, Denver, Colorado 80202  
1-Tidewater Oil Co., P. O. Box 1960, Durango, Colorado 81301  
Mr. W. H. Polk, Jr., Houston Office (plat only)

Encl.

rw

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

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

2. NAME OF OPERATOR  
 Union Texas Petroleum, A Division of Allied Chemical Corporation

3. ADDRESS OF OPERATOR  
 Suite B-400, 1740 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface *New Field*  
 SE SE Section 4-T38S-R26E, S.L.M. (660' FSL, 660' FEL)  
 At proposed prod. zone  
 Same *CSESE*

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

5. LEASE DESIGNATION AND SERIAL NO.  
 U-033669-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 U.S.A.-Big Horn Powder River

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 4-T38S-R26E, S.L.

12. COUNTY OR PARISH      13. STATE  
 San Juan      Utah

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 660' FSL, 660' FEL, Section 4

16. NO. OF ACRES IN LEASE  
 1280.68

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
 6140 ft.

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 Est. 5935 GL

22. APPROX. DATE WORK WILL START\*  
 September 1, 1966

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	40.50#	400	400 sx-or circulate to surface
8-3/4"	5-1/2"	17#	6140	400 sx

Cores and tests will be run according to findings of geologist on well.  
 Gamma Ray Neutron (SNP) and IES logs will be run.

*C.L.  
F.L.*

*API 43-537-20127*

*See corrected location*

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

24. SIGNED *Troy C. Simpson* TITLE District Superintendent DATE August 3, 1966

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY *Garry W. Long* TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
*District Engineer  
Aug. 5, 1966.*

\*See Instructions On Reverse Side

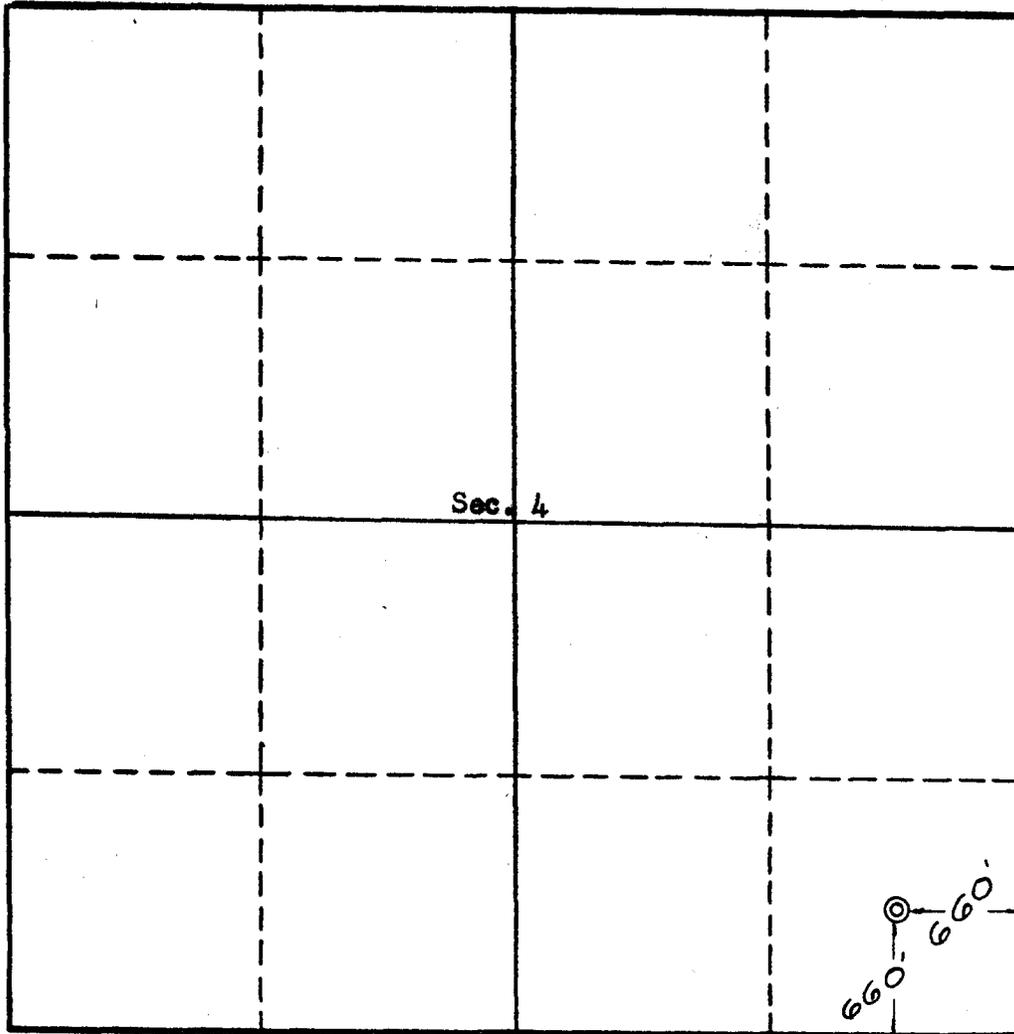
Company UNION TEXAS PETROLEUM

Well Name & No. U.S.A.-Big Horn Powder River #1

Location 660 feet from the South line and 660 feet from the East line.

Sec. 4, T. 38 S., R. 26 E., S. L. M., County San Juan, Utah

Ground Elevation \_\_\_\_\_

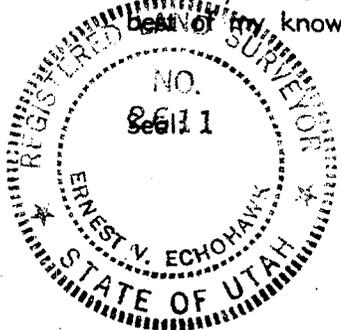


Scale, 1 inch = 1,000 feet

Surveyed July 16, 19 66

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.

*Corrected location  
660' FSL  
&  
510' FEL*



*Ernest V. Echohawk*  
Ernest V. Echohawk  
Registered Land Surveyor  
Utah Registration No. 2611



Corporation

## UNION TEXAS PETROLEUM DIVISION

SUITE B-400, 1740 BROADWAY • DENVER, COLORADO 80202 • 534-8221

August 24, 1966

Utah Oil & Gas Conservation Commission  
348 East South Temple  
Suite 301  
Salt Lake City, Utah 84111

Re: U.S.A.-Big Horn Powder River #1  
SE SE Section 4-T38S-R26E, S.L.M.  
Wildcat  
San Juan County, Utah

Gentlemen:

In response to your letter dated August 19, 1966, enclosed is the following material relative to the subject well:

2 copies Designation of Agent  
1 copy Letter of transmittal to U. S. Geological Survey,  
August 3, 1966  
2 copies Application for Permit to Drill - U.S.G.S. Form 9-331C  
2 copies Well survey plat

We believe this will fulfill your requirements before commencement of operations on this well. Your earliest consideration of the attached would be appreciated.

Yours very truly,

J.D. SMOTHERMON  
Petroleum Engineer

cc: Mr. Walter Duncan, P. O. Box 137, Durango, Colorado 81301 (letter only)  
Mr. Jack Grynberg, Petroleum Club Bldg., Denver, Colorado 80202 (letter only)  
Tidewater Oil Co., P. O. Box 1960, Durango, Colorado 81301 (letter only)  
Mr. Troy C. Simpson, Denver Office (letter only)  
Mr. W. H. Polk, Jr., Houston Office (1 cc Designation of Agent and letter)

Encl.  
rw

FILE IN DUPLICATE

OIL & GAS CONSERVATION COMMISSION  
OF THE STATE OF UTAH

DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations, and Rules of Practice and Procedure of the Oil and Gas Conservation Commission of the State of Utah, hereby appoint, C.T. Corporation System, whose address is 175 South Main Street, Salt Lake City, Utah, (his, her or its) designated agent to accept and to be served with notices from said Commission, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective Date of Designation Unknown

Company Union Texas Petroleum, Address Suite B-400, 1740 Broadway  
A Division of Allied Chemical Denver, Colorado 80202  
Corporation  
By J.A. [Signature] Title Petroleum Engineer  
(Signature)

NOTE: Agent must be a resident of Utah.

August 25, 1966

Union Texas Petroleum,  
A Division of Allied Chemical Corporation  
1740 Broadway - Suite B-400  
Denver, Colorado 80202

Re: Well No. USA Big Horn Powder River #1,  
Sec. 4, T. 38 S., R. 26 E.,  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted.

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

PAUL W. BURCHELL, Chief Petroleum Engineer  
HOME: 277-2890 - Salt Lake City, 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 if water sands (aquifers) are encountered while drilling, particularly accessible near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE DIRECTOR

CBF:ah

cc: Jerry Long, District Engineer  
U. S. Geological Survey  
Durango, Colorado

*JMB*

**UNION TEXAS PETROLEUM DIVISION**



Corporation

SUITE B-400, 1740 BROADWAY • DENVER, COLORADO 80202 • 534-8221

*Corrected location*

September 8, 1966

U. S. Geological Survey  
P. O. Box 1809  
Durango, Colorado 81301

Re: U.S.A.-Big Horn Powder River #1  
SE SE Section 4-T38S-R26E, S.L.M.  
Wildcat  
San Juan County, Utah

Gentlemen:

Enclosed herewith for your approval is an amended Application for Permit to Drill the above captioned well (Form 9-331C). Due to the surface terrain we have elected to move the drill site 150 ft. east of the originally proposed location. The new description will therefore be 660 ft. from the south line, 510 ft. from the east line, Section 4, Township 38 South, Range 26 East, S.L.M., San Juan County, Utah.

It is our interpretation of the various statutes that we will not be in violation of any rules or regulations. Your earliest consideration of this proposed change would be appreciated.

Yours very truly,

*J. D. Smothermon*  
J. D. SMOTHERMON  
Petroleum Engineer

Copies:

- 2-Utah Oil & Gas Conservation Comm., 348 East South Temple, Suite 301, Salt Lake City, Utah 84111
- 1-Mr. Walter Duncan, P. O. Box 137, Durango, Colorado 81301
- 1-Mr. Jack Grynberg, Petroleum Club Bldg., Denver, Colorado 80202
- 1-Tidewater Oil Co., P. O. Box 1960, Durango, Colorado 81301
- Mr. W. H. Polk, Jr., Houston Office (letter only)

Encl.

JDS:rw

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

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

2. NAME OF OPERATOR  
 Union Texas Petroleum, A Division of Allied Chemical Corporation

3. ADDRESS OF OPERATOR  
 Suite B-400, 1740 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 SE SE Section 4-T38S-R26E, S.L.M. (660' FSL, 510' FEL)  
 As proposed prod. zone  
 Same

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 drig. unit line, if any) Section 4  
 660' FSL, 510' FEL,

16. NO. OF ACRES IN LEASE  
 1280.68

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
 6140 ft.

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 Est. 5935 GL

22. APPROX. DATE WORK WILL START\*  
 September 1, 1966

5. LEASE DESIGNATION AND SERIAL NO.  
 U-033669-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 U.S.A.-Big Horn Powder Ri

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 4-T38S-R26E, S

12. COUNTY OR PARISH  
 San Juan

13. STATE  
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	40.50#	400	400 sx-or circulate to surface
8-3/4"	5-1/2"	17#	6140	400 sx

Revised Application for Permit to Drill due to change in location.

Cores and tests will be run according to findings of geologist on well.

Gamma Ray Neutron (SNP) and IES logs will be run.

*Corrected location*

APPROVED BY UTAH OIL AND GAS  
CONSERVATION COMMISSION

DATE: 9-12-66 by *Charles B. Feigler*  
EXECUTIVE DIRECTOR

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.

SIGNED *J.D. Smokeyman*  
(This space for Federal or State office use)

TITLE Petroleum Engineer

DATE September 8, 1966

PERMIT NO.

APPROVAL DATE

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

PLUGGING PROGRAM FORM

Name of Company Union Texas Petroleum Verbal Approval Given To: Mr. Fry

Well Name USA Bighorn Powder River #1 Sec. 4 T. 38 S R. 26 E County: San Juan County

Verbal Approval Was given to plug the above mentioned well in the following manner:

- 100' across Hermosa
- 100' across Cutler
- 100' across bottom 7 top of Navajo
- 50' base of pipe
- 10 sacks at top/marker

No show/tight Didn't encounter saturation in DeCheley, Geologic top for the DeCheley was not known.

Jerry Long (U.S.G.S. in Denver, Colorado) was on location to review program.

Date Verbally Approved: October 15, 1966 Signed: Paul W. Burchell

CHIEF PETROLEUM ENGINEER

UNION TEXAS PETROLEUM CORPORATION

# 1 USA - BIG HORN POWDER RIVER

SAN JUAN COUNTY, UTAH

\*\*\*\*\*

REPORT BY:

JAMES W. NANCE

CONSULTING GEOLOGIST

WELL SUMMARY

OPERATOR: Union Texas Petroleum Corporation

WELL: #1 USA - Big Horn Powder River (Wildcat)

LOCATION: 660' fsl; 510' fel (SE SE) S4-T38S-R26E  
San Juan County, Utah

ELEVATION: 5947 Ground 5958 KB

SPUDED: September 21, 1966

FINISHED DRILLING: October 14, 1966

CONTRACTOR: Cactus Drilling Corp. (Rig # 17) Farmington, N. M.  
Toolpusher: E. W. Russell

BASIC EQUIPMENT: Drawworks, Brewster N-55; Pump # 1, Ideco 700;  
Pump # 2, D-300, 4½" F.H. Drill pipe; 24 (740')  
of 6-¾" Drill Collars.

CASING: 10-¾" at 397' W/250 Sx.

CORES: None

DRILL STEM TESTS: None

LOGGING SERVICES: Schlumberger: Dual Induction-Laterlog 399-6214  
Formation Density Log 4500-6213  
Sidewall Neutron Porosity 4500-6213

SAMPLES: 20' Intervals 400-4500; 10' Intervals 4500-5800;  
5' Intervals 5800-T.D. Samples sent to American  
Stratigraphic Company, Denver.

TOTAL DEPTH: 6213 (Driller) 6214 (Schlumberger)

STATUS: Plugged & Abandoned

PLUGGING PROCEDURE:

Plug # 1,	4920-4820	30 Sacks
" # 2,	2950-2850	30 "
" # 3,	1850-1750	30 "
" # 4,	1350-1250	30 "
" # 5,	249-379	35 "

10 Sack plug in top of surface pipe,  
cementing in regulation dry hole marker.

FORMATION TOPS:

	<u>Sample</u>	<u>E-Log</u>
Navajo	1280	1278 (4680)
Chinle	1850	1854 (4104)
Shinarump	2737	2750 (3208)
Cutler	—	2881 (3077)
Hermosa	4854	4851 (1107)
Ismay	5873	5874 ( 84)
Desert Creek	6106	6105 (-147)
Akah	6198	6200 (-242)

CHRONOLOGICAL LOG

September 21, Spud 10:00 P. M. (15" surface hole)  
Drilled 0-30

" 22, Drilled 30-397

" 23, Ran 413' (12 Joints) of 10-3/4", 32# casing and landed at  
397' KB - Cemented by Howco with 250 sacks regular cement -  
Circulated cement - Plug down @ 3:00 A.M.

" 24, Drilled 397-858

" 25, " 858-1590

" 26, " 1590-2166

" 27, " 2166-2751

" 28, " 2751-3150

" 29, " 3150-3512

" 30, " 3512-3830

October 1, " 3830-4090

" 2, " 4090-4400

" 3, " 4400-4632

" 4, " 4632-4877

" 5, " 4877-5061

" 6, " 5061-5315

" 7, " 5315-5484

" 8, " 5484-5598

" 9, " 5598-5753

" 10, " 5793-5838

" 11, " 5838-5949

" 12, " 5949-6072

" 13, " 6072-6177

" 14, " 6177-6213 -- Ran Logs - Preparing to P & A

SAMPLE DESCRIPTION

- 400-600 Shale, light green to greenish-gray, earthy, (Morrison) trace red shale - some gray sand - samples not good.
- 600-700 Sandstone, light gray, coarse grained, friable - mostly drilled up - samples not good.
- 700-800 ----- Poor quality samples, appears to be mostly shale.
- 800-840 Skip.
- 840-960 Shale, green, brown, maroon, some mottling - much light gray, fine to medium grained, friable sandstone.
- 960-1040 Shale, as above with minor amount of sandstone.
- 1040-1080 Shale, as above predominant in samples, few free sand grains noted in samples - drilling time suggests sand 1030-75.
- 1080-1140 Shale, green predominant, much maroon and brown, some mottling.
- 1140-1260 Sandstone, pink to light gray, fine to medium grained, only a few free sand grains noted in samples - mostly drilled up - this is probably Entrada Sandstone.
- 1260-1280 Shale, maroon, brown, green, gray.
- 1280-1600 Sandstone, pink, fine grained, sub-rounded, fair sorting, calcareous - calcareous cement generally fills pore space. This is Navajo Sandstone section - top calculated to be at 1280'.
- 1600-1680 Sandstone, light gray to pink, fine grained, fairly hard, calcareous, locally argillaceous and dirty - drilled somewhat slower 1590-1665.
- 1680-1860 Sandstone, reddish-brown (much more red than above) fine grained, slightly calcareous (much less calcareous than above), generally dirty, slightly arkosic, locally good porosity and permeability - good drilling 1665-1850.
- 1860-1880 Shale, deep maroon to reddish-brown, some silty - this is Chinle Shale, top of which is considered to be at 1850'.
- 1880-1940 Shale, reddish-brown to maroon, very silty, some grades to argillaceous siltstone.

- 1940-1980 Shale, deep maroon to reddish-brown, blocky; much light gray to greenish-gray impure bentonite.
- 1980-2040 Shale, reddish brown to maroon locally micaceous, slightly silty, becomes more silty at base.
- 2040-2100 Siltstone, reddish-brown, slightly micaceous, calcareous.
- 2100-2120 Skip
- 2120-2160 Siltstone, reddish-brown, slightly micaceous, slightly calcareous.
- 2160-2260 Shale, brown to maroon, micaceous, silty and grades to siltstone.
- 2260-2340 Shale, maroon, slightly micaceous, few green splotches.
- 2340-2380 Shale, maroon to brown, slightly micaceous, locally silty and grades to siltstone - trace of anhydrite in small splotches.
- 2380-2440 Shale, maroon to brown, silty, micaceous, grades to siltstone.
- 2440-2740 Shale, as above predominant, some streaks of green shale, considerable siltstone - considerable anhydrite toward base.
- 2740-2750 Shale, as above, with a trace of light gray coarse grained sandstone. This is probably top of Shinarump.
- 2750-2860 Sandstone, light gray, coarse grained, few green and black grains, friable - seems to be mostly drilled up - not much in samples.
- 2860-2880 Limestone, medium gray to dark gray, dense, fairly hard, considerable gray chert.
- 2880-2900 Limestone, medium gray to dark gray, finely crystalline, some nodular limestone, slightly pyritic.
- 2900-2920 Shale, maroon to brown, locally silty.
- 2920-2960 Sandstone, light gray, coarse to very coarse grained - mostly large free quartz grains in samples. (Drilling breaks at 2890-98, 2926-33 and 2940-45 may be sand)
- 2960-3040 Shale, gray, green, greenish-gray, becoming maroon toward base, locally silty and some grades to siltstone.
- 3040-3060 ----- poor sample after trip - mostly shale in sample - drilling time suggests some sand 3040-55.

- 3060-3120 Shale, maroon to brown, locally silty, slightly micaceous, some mottling.
- 3120-3140 Shale as above, with considerable light gray to green and greenish-gray, fine to medium grained, friable sandstone.
- 3140-3180 Shale, maroon to brown predominant, some medium gray and greenish-gray.
- 3180-3200 Shale maroon to brown, micaceous, silty and grading to siltstone.
- 3200-3220 Shale, as above predominant in sample, but also considerable light gray to pink, fine grained friable sandstone. By drilling time sand is suggested at 3196-3203 & 3211-18.
- 3220-3380 Shale, maroon to brown, blocky, slightly micaceous, locally silty, some grades to siltstone - Drilling time 3276-89 suggests sandstone, none noted in samples - trip at 3293.
- 3380-3400 Sandstone, light gray to pink to red, coarse grained, angular - mostly large, free quartz grains - this sand undoubtedly occupies drilling break interval 3356-81.
- 3400-3480 Shale, maroon to brown, micaceous, locally silty with some grading to siltstone.
- 3480-3560 Shale & Siltstone, as above with some anhydrite.
- 3560-3580 Sandstone, pink to maroon to brown, fine to medium grained - mostly drilled up - little sand in sample - sand probably occupies drilling break interval 3537-54.
- 3580-3800 Shale, maroon to brown, micaceous silty - some siltstone.
- 3800-3820 Sandstone, only a few large, clear, quartz grains in sample - mostly drilled up - sand probably in 37903820 interval.
- 3820-3920 Shale, maroon and brown predominant, much gray and greenish-gray - some purple shale.
- 3920-3940 Shale, maroon to brown, slightly micaceous, locally silty, some grades to siltstone.
- 3940-4020 Shale, maroon to brown with much medium gray and greenish-gray shale, locally slightly sandy.
- 4020-4120 Shale, medium gray, greenish-gray and light green, some slightly sandy. Drilling break 4072-80 may be sand, none noted in samples.

- 4120-4140 Shale, maroon to brown, micaceous, slightly silty.  
Drilling break 4123-46 probably sand.
- 4140-4240 Shale, as above, with abundant gray and green shale -  
Break at 4180-4200 probably sand.
- 4240-4300 Shale, medium gray, greenish-gray & green, with much  
maroon to brown shale.
- 4300-4500 Shale, maroon and brown predominant, with considerable  
gray and green shale.
- 4500-4600 Shale, as above predominant in samples - Drilling breaks at  
4525-54 & 4565-79 suggests sand, but none noted in samples.
- 4600-4610 Shale, maroon to brown, few green splotches, micaceous -  
a single fragment of black, lustrous gilsonite(?) type  
material noted in sample - may be foreign.
- 4610-4720 Shale, as above predominant in samples - drilling break  
4637-47 probably sand.
- 4720-4740 Shale, as above with a few fragments of medium gray to dark  
gray, crypto-crystalline limestone, showing a very few veinlets  
of pyrite - could be concretionary material.
- 4740-4760 Shale, as above with perhaps a little more limestone, some  
of which appears slightly brecciated.
- 4760-4770 Shale, maroon to brown, locally silty, slightly micaceous.
- 4770-4780 Shale as above, with several fragments of gray to tan, oolitic  
limestone - Drilling break 4771-76 suggests sand but no signif-  
icant amount of sand noted in samples.
- 4780-4810 Shale, maroon to brown, slightly micaceous, silty.
- 4810-4820 Shale, as above with trace of gray to black, pyritic chert.
- 4820-4860 Shale, maroon to brown, locally silty - some siltstone.
- 4860-4870 Limestone, buff to fairly dark gray, micro-Crystalline, some of  
gray limestone quite platy - trace black, platy, calcareous shale.  
This is Hermosa Limestone - top placed at 4854' on drilling time.
- 4870-4890 Limestone, buff to light gray, finely crystalline, few fossil  
fragments.
- 4890-4900 ----- All cave, after trip.

- 4900-4920 Sandstone, medium gray to light gray, very fine grained, very calcareous, very tight.
- 4920-4930 Shale, maroon to brown, locally silty, some siltstone.
- 4930-4960 Siltstone, maroon to brown, argillaceous, some silty shale.
- 4960-4980 Siltstone, as above with considerable light gray to buff, crypto-crystalline limestone.
- 4980-5030 Shale, maroon to brown, slightly micaceous, usually silty.
- 5030-5050 Limestone, gray to brownish-gray, finely crystalline, few fossil fragments - trace of drusy calcite.
- 5050-5060 Shale, maroon to brown, silty and grades to siltstone.
- 5060-5080 Sandstone, only a few medium, loose sand grains in sample. sample mostly limestone - drilling time suggests sand from 5062 to 5085.
- 5080-5090 Siltstone, brown to maroon, with much limestone in sample.
- 5090-5100 Shale, red, blocky.
- 5100-5140 Shale, brick red, blocky, often silty - some anhydrite.
- 5140-5160 Shale, as above, with considerable green sandy shale.
- 5160-5190 Shale, brick red predominant, some maroon, some green shale, some white, impure limestone in sample.
- 5190-5200 Shale, as above, with considerable chocolate brown to medium gray, fairly hard siltstone.
- 5200-5220 Shale, red to maroon, locally silty.
- 5220-5230 Limestone, mostly light gray, some medium gray, finely crystalline to micro-granular, often argillaceous and impure.
- 5230-5260 Sandstone, based on drilling time only - no sand seen in samples. Drilling break 5235-60 suggests sand.
- 5260-5360 Shale, maroon to red, locally silty, some siltstone.
- 5360-5370 ----- Trip Sample - mostly cave.
- 5370-5380 Limestone, medium gray, brownish-gray, dark gray, finely crystalline to crypto-crystalline, sparsely and minutely pyritic locally - top of limestone may be as high as 63.

- 5380-5400 Limestone, as above with some maroon shale and siltstone.
- 5400-5420 Limestone, medium gray to light brown, some brown shale, trace anhydrite.
- 5420-5450 Shale, red to maroon, locally silty, some siltstone - still much limestone in samples, possibly drilling streaks of limestone.
- 5450-5460 Sandstone, light gray to clear, medium to coarse grained, sub-angular, friable, mostly drilled up - little cementing material. Drilling time suggests sand at 5439-50.
- 5460-5470 Shale, red to maroon - still some gray and brown limestone.
- 5470-5500 Shale, red predominant, but much light gray to purplish-gray, some mottling - gray shale is non-calcareous. Tr. gray-brown limestone.
- 5500-5540 Shale, light gray to light greenish-gray, blocky, earthy, bentonitic, some purplish-gray, non-calcareous, blocky shale. Some gray to brown limestone.
- 5540-5560 Shale, light gray to medium gray to purple, some purple and gray mottling.
- 5560-5570 Limestone, medium gray to brown to brownish-gray, crypto-crystalline, mostly platy.
- 5570-5620 Shale, medium gray to light gray, some brown - trace limestone.
- 5620-5650 Limestone, medium gray to dark gray, impure, often flaky.
- 5650-5660 Limestone, as above, with considerable medium gray shale.
- 5660-5670 Limestone, medium gray to dark gray, some brownish-gray, finely crystalline to micro-crystalline - few fossil frags.
- 5670-5690 Limestone, mostly medium gray, impure, argillaceous, often flaky.
- 5690-5700 ----- poor quality sample after trip.
- 5700-5710 Dolomite, dark gray, crypto-crystalline to dense, fairly hard, slightly argillaceous, organic and impure, often flaky.
- 5710-5750 Limestone, mostly medium gray, some impure and argillaceous, some light gray limestone showing a few, scattered fossil fragments.

- 5750-5780 Limestone, buff to light gray to medium gray, micro-crystalline, fairly hard, often platy.
- 5780-5790 Shale, dark gray to black, fissile to splintery, slightly calc.
- 5790-5815 Limestone, buff to light gray, some light brown, micro-crystalline, fairly hard.
- 5815-5825 Limestone, as above with trace of buff to rose chert.
- 5825-5850 Limestone, brown to gray, impure, usually hard, slow drilling - sample quality not the best.
- 5850-5875 Shale, dark gray to black, fissile, calcareous.
- 5875-5880 Limestone, tan, finely crystalline to micro-crystalline, fossiliferous - This is top of Ismay - top placed at 5873' by drilling time.
- 5880-5895 Limestone, tan to light brown and brownish-gray, finely crystalline, locally very fossiliferous, few crinoid stems noted - mud fluffed, must have drilled a thin section of anhydrite - none noted in samples - probably went into solution.
- 5895-5910 Limestone, tan to brown to gray, finely crystalline to micro-crystalline, locally quite fossiliferous - crinoid frags. noted. Trace dull amber chert 5905-10.
- 5910-5920 Limestone, light gray to nearly white, finely crystalline to amorphous, somewhat chalky - some tan and gray limestone.
- 5920-5925 Limestone, buff to gray predominant, finely crystalline with a few fossil fragments - much light gray limestone as above.
- 5925-5945 Limestone, light gray to nearly white, micro-crystalline to amorphous, often chalky, locally quite fossiliferous. An occasional fragment shows some poorly developed, pin-point vuggy porosity, NSOF.
- 5945-5950 Limestone, light gray to medium gray, mostly finely crystalline, some medium gray and light gray mottling, locally argillaceous - trace black, organic shale.
- 5950-5970 Limestone, medium gray, some mottling, amorphous, impure, possibly some anhydrite but if so mostly into solution.
- 5970-6000 Shale, dark gray, fissile - some black, splintery, very organic shale.
- 6000-6010 ----- mostly cave after trip - appears to be predominantly dark gray to black shale.

- 6010-6040 Shale, black, fissile, organic, fissile.
- 6040-6050 Limestone, gray, brownish-gray to dark brown, micro-crystalline, some dark gray, argillaceous limestone.
- 6050-6075 Anhydrite, white, crystalline, often soft and spongy - not much of this anhydrite in sample - mud began fluffing.
- 6075-6100 Dolomite, medium gray to buff, micro-granular, dirty, silty, some grades to dolomitic siltstone. Considerable dark gray to black shale in lower part.
- 6100-6115 Shale, black, splintery, organic, calcareous.
- 6115-6130 Anhydrite, white, soft, nearly all into solution.
- 6130-6140 Dolomite, medium gray, micro-granular, impure, silty, with local inclusions of anhydrite.
- 6140-6145 Limestone, medium gray, micro-granular, dolomitic, impure; some dark gray shale.
- 6145-6150 Siltstone, light gray to medium gray, fairly hard, dolomitic, some grades to silty dolomite.
- 6150-6160 Limestone, medium gray to dark gray, mostly micro-crystalline, dark gray limestone is dirty and silty.
- 6160-6175 Dolomite, medium gray, micro-granular, dirty, impure.
- 6175-6180 Dolomite, tan to light gray, granular to finely crystalline, an occasional fragment shows slight granular porosity and some pin-point vuggy porosity - an occasional fragment shows a slight brown oil stain and some dull to bright yellow fluorescence and poor to fair  $CCl_4$  cut. Porosity prob. at 6160-65.
- 6180-6185 Dolomite, medium gray, impure, silty.
- 6185-6205 Shale, dark gray to nearly black, fissile, calcareous.
- 6205-6213 Shale, as above predominant with some dark gray to brownish-gray, hard, impure limestone.

DRILLING TIME

Minutes Per 5 Feet

	05	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	00
1000	9	10	8	12	15	8	2	2	2	2	2	2	2	2	3	5	12	12	8	12
1100	11	13	11	9	9	5	2	2	2	2	2	2	1	1	1	1	1	1	1	1
1200	1	1	1	1	1	2	2	1	2	2	3	5	13	14	15	17	7	2	2	2
1300	2	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	2	2	2
1400	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1500	2	2	2	2	2	2	3	3	5	5	5	5	3	3	3	4	4	5	10	14
1600	12	10	10	8	9	8	8	8	10	8	6	6	8	4	3	3	3	3	2	3
1700	2	2	3	3	4	4	5	3	3	3	4	3	3	3	4	4	5	3	3	4
1800	4	4	3	4	4	4	3	3	4	4	8	14	8	7	8	8	8	8	7	10
1900	4	4	3	4	4	4	3	3	4	4	8	12	10	13	10	9	11	14	13	10
2000	10	10	10	11	11	10	10	10	11	12	11	12	10	12	10	9	7	9	15	10
2100	11	12	15	11	8	7	6	7	8	7	6	9	10	10	10	9	9	10	10	10
2200	11	11	14	15	16	10	9	9	11	10	10	9	10	10	10	9	11	12	9	10
2300	11	9	11	10	10	8	8	10	10	10	9	10	8	11	12	10	10	9	9	9
2400	13	12	10	10	10	11	13	14	10	10	10	10	12	11	10	11	12	11	10	11
2500	5	4	4	5	5	5	5	4	5	5	4	4	5	4	4	4	4	5	5	5
2600	5	5	6	5	6	10	10	10	10	11	13	12	12	14	15	15	14	10	12	12
2700	12	12	13	13	11	11	11	9	7	7	7	6	7	8	8	6	7	7	8	7
2800	8	8	8	9	8	13	12	13	13	10	18	15	15	11	7	5	-	-	6	5
2900	12	15	15	10	8	6	5	18	6	6	12	17	14	17	6	13	16	17	13	13
3000	18	23	20	18	16	19	21	24	15	7	10	18	10	13	10	10	11	11	12	12
3100	11	10	11	11	15	13	11	11	11	10	10	11	12	13	11	13	7	10	12	5
3200	7	12	10	5	9	11	14	13	10	16	11	8	13	18	19	14	5	10	12	13
3300	13	14	15	13	12	13	14	14	10	11	12	6	4	4	4	8	10	16	18	15
3400	15	18	16	15	16	15	15	16	17	17	15	21	20	15	9	7	14	17	20	21
3500	18	10	15	17	16	21	23	10	5	4	5	20	16	17	15	17	16	21	16	16
3600	17	15	18	17	16	15	16	21	17	20	25	21	25	14	16	14	16	14	14	18
3700	16	18	12	20	17	20	18	17	15	21	21	22	26	27	31	27	27	26	9	6
3800	10	6	10	8	28	35	45	16	16	18	16	15	17	15	16	15	15	16	15	16
3900	15	12	6	15	14	15	20	20	16	17	16	10	16	15	15	14	18	18	17	17
4000	16	17	7	7	30	17	14	10	14	17	15	11	13	15	9	7	13	17	20	17
4100	20	20	17	19	18	7	7	7	5	12	17	20	22	23	20	18	6	10	9	6
4200	18	17	20	23	20	14	12	10	20	26	22	22	26	20	17	18	19	18	15	18
4300	20	29	26	8	28	23	16	26	24	25	23	24	27	12	28	20	20	15	25	25
4400	30	18	13	21	27	26	28	25	31	32	33	20	19	25	14	15	15	12	15	20

	05	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	00
4500	18	17	14	15	6	6	8	10	8	8	27	22	7	5	5	5	5	8	23	24
4600	26	26	28	35	35	34	30	11	6	15	25	25	26	21	23	21	20	24	26	26
4700	25	22	18	23	18	25	28	28	32	24	20	21	20	23	8	15	25	22	10	22
4800	25	24	26	21	21	19	20	21	15	17	17	40	52	38	34	37	40	40	58	23
4900	23	18	15	20	20	21	20	22	16	16	19	20	23	22	26	26	26	21	23	27
5000	28	25	24	24	24	27	28	26	--	25	21	17	11	7	6	4	5	11	25	29
5100	20	25	30	34	21	28	31	32	28	18	19	15	34	22	27	31	48	23	22	20
5200	24	24	25	28	33	20	21	5	4	4	5	5	24	27	25	28	28	28	22	18
5300	22	30	26	22	25	25	27	27	27	28	27	27	30	34	28	34	42	37	37	38
5400	35	29	31	32	32	33	30	25	5	5	17	41	40	35	46	48	45	36	37	43
5500	27	26	31	30	29	27	26	26	32	28	29	38	21	32	30	38	40	41	49	40
5600	33	25	32	30	26	35	38	36	36	36	35	23	25	25	38	45	53	64	48	33
5700	32	38	40	32	31	29	34	36	32	42	53	41	40	41	42	47	55	--	30	28
5800	30	40	47	75	73	64	65	66	64	56	54	59	54	49	35	32	34	40	27	27
5900	24	33	31	30	37	37	45	25	42	43	35	39	45	49	55	55	55	60	40	42
6000	50	--	40	40	45	45	35	34	35	37	43	42	55	50	51	45	55	67	65	63
6100	36	40	39	29	35	35	38	42	40	44	42	37	15	35	45	46	66	54	53	72
6200	55	70																		

BIT RECORD

RUN No.	SIZE	MAKE	TYPE	IN	OUT	FEET	HOURS
1	15	Reed	YT3AJ	0	218	218	12
2	15	"	"	218	397	179	6
3	7-7/8	Sec.	S4T6	397	846	449	9 $\frac{1}{4}$
4	"	Reed	YHGJ	846	1280	434	9 $\frac{1}{2}$
5	"	Sec.	M4NG	1280	1860	580	8
6	"	Reed	YTLGJ	1860	2060	200	8
7	"	Reed	"	2060	2132	72	3
8	"	HTC	OSC1GJ	2132	2502	370	14
9	"	Sec.	S4TJ	2502	2853	351	11
10	"	Sec.	"	2853	3041	188	8-3/4
11	"	Reed	SS1GJ	3041	3293	252	10
12	"	Sec.	S4TJ	3293	3493	200	10 $\frac{1}{4}$
13	"	HTC	C1CJ	3493	3663	170	10 $\frac{1}{4}$
14	"	Sec.	S4TGJ	3663	3834	171	11 $\frac{1}{4}$
15	"	Sec.	M4NGJ	3834	4023	189	10-3/4
16	"	HTC	X1G	4023	4267	244	14 $\frac{1}{2}$
17	"	HTC	X1GJ	4267	4457	190	14-3/4
18	"	Sec.	M4NGJ	4457	4627	170	10 $\frac{1}{2}$
19	"	HTC	OWV	4627	4796	169	12
20	"	HTC	OWVJ	4796	4894	98	10
21	"	Sec.	M4NGJ	4894	5041	147	12
22	"	Sec.	M4LJ	5041	5181	140	11 $\frac{1}{4}$
23	"	Sec.	M4NJ	5181	5365	184	14-3/4
24	"	HTC	OWVJ	5365	5500	135	15 $\frac{1}{4}$
25	"	Reed	YSLJ	5500	5594	94	10-3/4
26	"	Sec.	M4LGJ	5594	5692	98	12 $\frac{1}{4}$
27	"	Reed	YMGJ	5692	5788	96	13 $\frac{1}{4}$
28	"	HTC	OWLJ	5788	5838	50	10
29	"	HTC	W7J	5838	5934	96	14 $\frac{1}{4}$
30	"	HTC	OWLJ	5934	6002	68	9 $\frac{1}{2}$
31	"	HTC	W7J	6002	6100	98	15 $\frac{1}{2}$
32	"	HTC	OWJ	6100	6213	113	17 $\frac{1}{2}$

HOLE DEVIATION SURVEYS

<u>Depth</u>	<u>Deviation</u>
218	$\frac{1}{4}$
864	$\frac{3}{4}$
1860	$1\text{-}\frac{3}{4}$
2060	2
2132	$2\text{-}\frac{3}{4}$
2502	2
2853	$1\text{-}\frac{3}{4}$
3041	$1\frac{1}{4}$
3293	$\frac{1}{2}$
3664	$\frac{1}{2}$
4023	$\frac{1}{4}$
4457	$\frac{1}{2}$
4796	$1\frac{1}{2}$
5041	$\frac{3}{4}$
5500	$1\frac{1}{4}$
6002	$1\frac{1}{4}$

OPERATIONAL SUMMARY

The drilling of the # 1 USA-Big Horn Powder River well progressed smoothly and effeciently in virtually all categories. Labor problems plagued the contractor, but this commonplace at this time, and through the willingness of crews to "double", the operation did not suffer -- only the men.

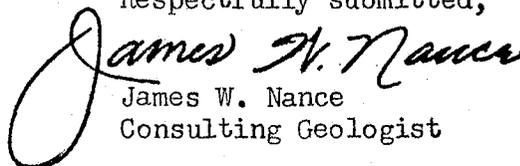
Lost circulation or crooked hole were not problems, and good quality drill pipe and drill collars were used so that the hole was completed without a fishing job.

High pressures in some of the previously drilled wells a few miles to the southeast suggested the advisability of raising mud weight to around 12 lbs./gal before penetrating the Desert Creek section. In view of the meager amount of porosity encountered in this horizon, it is doubtful if the additional weight was necessary, however, it is still felt that it was a prudent decision. The added weight caused little or no decrease in penetration rate, and it did provide a good hole in which to run logs, or to test, had such been desirable.

Caliper log was run only from 4500' to T.D. and displays substantial hole erosion to a depth of about 5800'. It was at about this level that water loss was lowered to 5cc to 6cc. Some of the up-hole shales were probably subjected to even greater erosion. Because of this contamination by up-hole material sample quality was not the best, except through the Ismay and Desert Creek sections, where sample quality was entirely satisfactory. Through the Hermosa section however, sample descriptions may have been influenced by some sub-standard quality samples.

Over all however, this is considered to have been an excellent operation -- well planned by the operator, and well executed by the drilling contractor.

Respectfully submitted,

  
James W. Nance  
Consulting Geologist

Denver, Colorado  
October 1966

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 U.S.A.-Big Horn Powder River #1  
Suite B-400, 1740 Broadway  
Operator Union Texas Petroleum Address Denver, Colorado Phone 534-8221  
P. O. Box 32  
Contractor Cactus Drilling Company Address Midland, Texas Phone \_\_\_\_\_  
Location SE 1/4 SE 1/4 Sec. 4 T. 38 N R. 26 E San Juan County, Utah.  
S M

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	<u>There were no significant water sands encountered in the subject well, i.e.,</u>		
2.	<u>shallow water flows, etc. ✓</u>		
3.	_____		
4.	_____		
5.	_____		

(Continued on reverse side if necessary)

Formation Tops:

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.

OMP

# UNION TEXAS PETROLEUM DIVISION



Corporation

SUITE B-400, 1740 BROADWAY • DENVER, COLORADO 80202 • 534-8221

October 24, 1966

Utah State Oil and Gas Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City, Utah

Gentlemen:

Enclosed are two copies of a report on the Union Texas Petroleum #1 U.S.A.-Big Horn Powder River recently drilled, plugged and abandoned in Section 4-T38S-R26E, San Juan County, Utah. ✓

Logs on this well are to be mailed to you by Schlumberger Well Services.

Very truly yours,

A handwritten signature in cursive script that reads "H. L. TIREY, JR.".

H. L. TIREY, JR.  
Geologist

HLT:ks

Att:

UNION TEXAS PETROLEUM DIVISION

STACY CAMERON  
JAN 8 1966

Corporation

SUITE B-400, 1740 BROADWAY • DENVER, COLORADO 80202 • 534-8221

November 30, 1966

U. S. Geological Survey  
P. O. Box 1809  
Durango, Colorado 81301

Re: U.S.A.-Big Horn Powder River #1  
SE SE Section 4-T38S-R26E, S.L.M.  
Wildcat  
San Juan County, Utah

Gentlemen:

With reference to the subject well, enclosed is the following material, which we believe will complete your file on this well:

- 2 copies Well Completion Report (Form 9-330)
- 3 " Notice of Intention to Abandon (Form 9-331)
- 3 " Subsequent Report of Abandonment (Form 9-331)

Yours very truly,

*Troy C. Simpson*  
TROY C. SIMPSON  
District Superintendent

Copies of Forms 9-330 and both 9-331 sent as follows:

- 2-Utah Oil & Gas Conservation Commission, 348 East South Temple, Suite 301, Salt Lake City, Utah 84111
- 1-Mr. Walter Duncan, P. O. Box 137, Durango, Colorado 81301
- 1-Mr. Jack Grynberg, Petroleum Club Bldg., Denver, Colorado 80202
- 1-Tidewater Oil Co., P. O. Box 1960, Durango, Colorado 81301
- Mr. W. H. Polk, Jr., Houston Office (1 cc Form 9-330 only)

Encl.

rw



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-033669-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
U.S.A.-Big Horn Powder

River

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 4-T38S-R26E, SLM

14. PERMIT NO.

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

5947 GL, 5958 KB

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well was plugged as follows, in accordance with instructions from Mr. Jerry Long of the U. S. Geological Survey, and as agreed to by Mr. Paul Burchell of the Utah Oil & Gas Conservation Commission:

30 sx 4920-4820  
30 sx 2950-2850  
30 sx 1850-1750  
30 sx 1350-1250  
35 sx 249-379

10 sx in top of surface pipe, cementing in regulation dry hole marker.

PLUGGED AND ABANDONED OCTOBER 15, 1966.

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

SIGNED *Ray C. Simpson*

TITLE District Superintendent

DATE 11/30/66

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-033669-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

River

U.S.A.-Big Horn Powder

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 4-T38S-R26E, SLM

1.

OIL WELL  GAS WELL  OTHER  Dry hole

2. NAME OF OPERATOR

Union Texas Petroleum, A Division of Allied Chemical Corporation

3. ADDRESS OF OPERATOR

Suite B-400, 1740 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

SE SE Section 4-T38S-R26E, S.L.M. (660' FSL, 510' FEL)

14. PERMIT NO.

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

5947 GL, 5958 KB

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

It is planned to plug the well as follows, in accordance with instructions from Mr. Jerry Long of the U. S. Geological Survey, and as agreed to by Mr. Paul Burchell of the Utah Oil & Gas Conservation Commission:

30 sx 4920-4820  
30 sx 2950-2850  
30 sx 1850-1750  
30 sx 1350-1250  
35 sx 249-379

10 sx in top of surface pipe, cementing in regulation dry hole marker.

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

SIGNED Jay C. Simpson

TITLE District Superintendent

DATE 11/30/66

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] DRY [X] Other [ ]

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLEG BACK [ ] DIFF. RESVR. [ ] Other [ ]

2. NAME OF OPERATOR: Union Texas Petroleum, A Division of Allied Chemical Corporation

3. ADDRESS OF OPERATOR: Suite B-400, 1740 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\* At surface SE SE Section 4-T38S-R26E, S.L.M. (660' FSL, 510' FEL) At total depth Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 9/23/66 16. DATE T.D. REACHED 10/14/66 17. DATE COMPL. (Ready to prod.) Plugged 10/15/66 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5947 GL, 5958 KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6214 21. PLUG. BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY Surface to TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* None 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger: Dual Induction-Laterolog, Sidewall Neutron Porosity Log, Compensated Formation Density Log, Lithology Log 27. WAS WELL CORED No

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Row 1: 10-3/4", 32#, 397, 360 SX

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT\*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Includes LINER RECORD and TUBING RECORD sections.

Table with 2 columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED. Includes PERFORATION RECORD and ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

33.\* PRODUCTION DATE FIRST PRODUCTION PLUGGED AND ABANDONED OCTOBER 14, 1966. PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

Table with 8 columns: DATE OF TEST, HOURS TESTED, CHOKE SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., GAS-OIL RATIO. Includes FLOW, TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED [Signature] TITLE District Superintendent DATE 11/30/66

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

# INSTRUCTIONS

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

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
<b>37. SUMMARY OF POROUS ZONES:</b> SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES						
No cores - no tests.				<u>Log tops:</u> Navajo Chinle Shinarump Cutler Hermosa Ismay Desert Creek Akah TD Driller's TD	1278 1854 2750 2881 4851 5874 6105 6200 6214 6213	
<b>38. GEOLOGIC MARKERS</b>						