

FILE NOTATIONS

Entered in N I D File ✓
 Entered On S R Sheet 7
 Location Map Pinned ✓
 Card Indexed ✓
 I W R for State or Fee Land _____

Checked by Chief PWB
 Copy N I D to Field Office ✓
 Approval Letter ✓
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 9-15-63
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA ✓

Location Inspected H/C
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 9-29-63
 Electric Logs (No.) 2

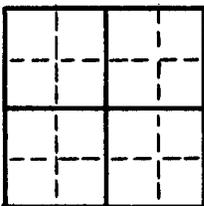
E _____ I _____ E-I ✓ GR _____ GR-N _____ Micro _____
 Lat. _____ Mi-L _____ Sonic g ✓ Others _____

(PWB)

Utah

Copy H. L. C.
(SUBMIT IN DUPLICATE)

LAND:



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

Fee and Patented.....
State.....
Lease No. 108481.....
Public Domain.....
Lease No.
Indian.....
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	<input checked="" type="checkbox"/>	Subsequent Report of Water Shut-off.....	<input type="checkbox"/>
Notice of Intention to Change Plans.....	<input type="checkbox"/>	Subsequent Report of Altering Casing.....	<input type="checkbox"/>
Notice of Intention to Redrill or Repair.....	<input type="checkbox"/>	Subsequent Report of Redrilling or Repair.....	<input type="checkbox"/>
Notice of Intention to Pull or Alter Casing.....	<input type="checkbox"/>	Supplementary Well History.....	<input type="checkbox"/>
Notice of Intention to Abandon Well.....	<input type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Hatch "B" Cortez, Colorado September 4, 19 63
 Well No. 1 is located 820 ft. from ~~XXX~~ {S} line and 549 ft. from {E} ~~XXX~~ line of Sec. 2
 NE SE SE, Se Sec. 2 37S 7W SLB&M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
 Wildcat Garfield Utah
(Field) (County or Subdivision) (State or Territory)

approximate ungraded ground

The elevation of the ~~derriek-floor~~ above sea level is 7640 feet.

A drilling and plugging bond has been filed with To be filed by Phillips' Bartlesville Okla. Office

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Drill 15" hole to approximately 600', set 10-3/4" surface casing and cement to surface.
 Drill 9" hole to a depth of approximately 5000' to test Morrison formation. If productive, set 5-1/2" casing and cement.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150

Cortez, Colorado

By *C. M. Boles*

C. M. Boles

Title District Superintendent

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.



1/4 CORNER

MARKED ROCK (FOUND)

NOTE: THE APPROXIMATE GROUND ELEVATION AT THE PROPOSED WELL SITE, AS DETERMINED FROM THE PANGUITOH LAKE, UTAH, U.S. GEOLOGICAL SURVEY QUADRANGLE SHEET, IS 7640 FEET ABOVE MEAN SEA LEVEL DATUM.

T. 37 S, R. 7 W
S. L. B. & M.

N 0° 10' W
(PLATTED)

WELL LOCATION
(HATCH B-NO. 1)

549'

820'

MARKED ROCK (FOUND)

S 89° 56' W
(PLATTED)

N 89° 55' W
(PLATTED)

2 1
11 12

CERTIFICATE

I HEREBY CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT PLAT OF A SURVEY MADE UNDER MY DIRECTION BETWEEN AUGUST 21 AND AUGUST 24, 1963 FOR PHILLIPS PETROLEUM COMPANY TO DETERMINE THE LOCATION OF A PROPOSED OIL WELL TO BE KNOWN AS HATCH B-NO. 1, SAID LOCATION BEING 820 FEET NORTH OF THE SOUTH LINE AND 549 FEET WEST OF THE EAST LINE OF SECTION 2, TOWNSHIP 37 SOUTH, RANGE 7 WEST, SALT LAKE BASE AND MERIDIAN IN GARFIELD COUNTY, UTAH.

DATED: August 26, 1963
SCALE: 1"=300'

Richard Hansen
PROFESSIONAL ENGINEER AND LAND SURVEYOR
UTAH LICENSE NO. 1138
RICHFIELD, UTAH

September 6, 1963

Phillips Petroleum Company
P. O. Drawer 1150
Cortez, Colorado

Attention: C. M. Boles, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Hatch Fee 'B'-#1, which is to be located 820 feet from the south line and 549 feet from the east line of Section 2, Township 37 South, Range 7 West, SLRM, Garfield County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted. However, this approval is conditional upon a Bond being filed with this Commission.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890
Salt Lake City, Utah

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

Enclosed please find Form OGCC-8-X, which is to be completed

September 6, 1963

if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Please have the enclosed "Minimum Safety Requirements" notice posted in a conspicuous place on the drilling location.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission
Moab, Utah

Handwritten notes and signatures in the top left corner.

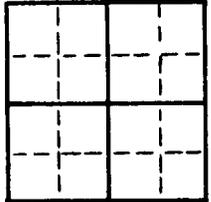
Handwritten signature "E. H. E." at the top center.

Handwritten initials "P.M." and "D.W." in the top right corner.

(SUBMIT IN DUPLICATE)

LAND:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH



Fee and Patented.....
State
Lease No. 108481
Public Domain
Lease No.
Indian
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	<input type="checkbox"/>	Subsequent Report of Water Shut-off.....	<input type="checkbox"/>
Notice of Intention to Change Plans.....	<input type="checkbox"/>	Subsequent Report of Altering Casing.....	<input type="checkbox"/>
Notice of Intention to Redrill or Repair.....	<input type="checkbox"/>	Subsequent Report of Redrilling or Repair.....	<input type="checkbox"/>
Notice of Intention to Pull or Alter Casing.....	<input type="checkbox"/>	Supplementary Well History.....	<input type="checkbox"/>
Notice of Intention to Abandon Well.....	<input checked="" type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado October 15, 1963

Hatch "B"
Well No. 1 is located 820 ft. from ~~NY~~ S line and 549 ft. from ~~W~~ E line of Sec. 2

SE, SE Sec. 2 37S 7W SL&M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Garfield Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7642 feet.

A drilling and plugging bond has been filed with ---

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Plug and abandon dry hole. Hole to be filled with 9.9# mud and cement plugs spotted as follows:

- 50 sacks cement at 4940' to approximately 4840'
- 50 sacks cement at 3450' to approximately 3350'
- 50 sacks cement at 1050' to approximately 950'
- 50 sacks cement at 582' to approximately 532'
- 25 sacks cement at 50' to surface.

10-3/4" 32.75# J-55 casing cement to surface will be left in hole. Bottom of casing is at 557'. One joint of casing knocked off during drilling is at 670' to 700'.

Verbal approval to plug well was received from Messrs Paul W. Burchell and Harvey L. Coonts in above manner during recent visit to location, and confirmed by telephone 10-15-63 Burchell and Boles.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150 By C. M. Boles

Cortez, Colorado Title District Superintendent
C. M. Boles

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Handwritten mark "N." at the bottom left corner.

53
P# 10
D# 1
2

STATE OF UTAH OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Operating Company Phillips Petroleum Address Bartlesville, Oklahoma
 Lease or Tract Hatch #B Field Wildcat State Utah
 Well No. 1 Sec. 2 T. 37S R. 7W Meridian SL&M County Garfield
 Location 820 ft. N of S Line and 549 ft. E of E Line of Sec. 2 Elevation 7642.5
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed C. M. Boles
C. M. Boles
Title District Superintendent

Date October 17, 1963

The summary on this page is for the condition of the well at above date.

Commenced drilling September 30, 19 63 Finished drilling October 13, 19 63

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No water flows encountered. No tests made for fresh water production.
 No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
10-3/4	32.75#	8rd	J-55	581	Howco	---			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	587#	435	Halliburton	*One joint knocked off during drilling is at mark 670' to 700'; bottom of casing string is at 557'.	

U

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
 Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 4971 feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES Plugged

....., 19..... ~~Producing~~ **October 15**, 19 **63**

The production for the first 24 hours was barrels of fluid of which% was oil;% emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

HIM Drilling Co., Driller Driller
, Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	985	985	Wasatch
Surface	985	985	Wasatch
985	3385	2400	Kaiparowitz
3385	4366	981	Tropic
4366	4872	506	Lower Tropic
4872	4943	71	Dakota
4943	4971 TD	28	Windsor

[OVER]

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or hauling.

Spudded 7:30 AM 9/30/63. Drilled 15" hole to 587'. Set and cemented 19 jts. 10-3/4" OD 32.75#J-55 ST&C SS casing (577' LT) at 587' RKB (set 1' below ground) with 460 sacks regular cement - no additives. Maximum pressure 200#. Displaced plug to 560' with fresh water. Circulated estimated 25 sacks cement. Job completed 5:00 PM 10/1/63. Tested casing to 600# - held O.K.

Drilled 8-3/4" hole to 4542'. (Lost estimated 100 barrels mud at approximately 3300' - used sawdust in mud to seal off lost circulation). Cored from 4542 - 4589 1/2' (Lower Tropic) with 6-1/8" Christianson Diamond bit, recovered 47 1/2' of shale and sand, no shows. Reamed core hole to 8-3/4" bit and drilled to 4590' and ran Drill Stem Test from 4470-4590, through 4" drill pipe, 5/8" Bottom Choke, 1" Top Choke. IF 10 minutes - very weak blow 10 minutes and died. Initial shut in 1 hour. Final flow 10 minutes - dead throughout. Final shut in 2 hours. Pulled test tool, recovered 15' drilling mud with no shows. Initial flow and final Flow Pressure zero. 1 hour Initial Shut In Pressure 343#, 2 hour Final Shut In Pressure 400#. Initial Hydrostatic Pressure 2391#, Final Hydrostatic Pressure 2372#. Temperature 180°. Drilled 8-3/4" hole 4590 to 4660'. Cut Core with 6-1/8" core bit from 4660 to 4704', recovered 36' sand and shale - no shows. Reamed core hole to 8-3/4". Ran Drill Stem Test #2 at 4610 to 4704'. 5/8" bottom choke, 1" top choke. Open 12 minutes - weak blow of air. Shut in 1 hour - open 45 minutes - weak to very weak blow of air. Shut in 1 hour. Jarred packers loose. Pulled out of hole, recovered 450' of water cut mud in Drill Pipe. No shows oil or gas. Initial Flow Pressure 75#, Final Flow Pressure 188#. 1 hour Initial Shut In Pressure and 1 hour Final Shut In Pressure 1312#. Initial Hydrostatic pressure 2446#. Final Hydrostatic Pressure 2408#. Bottom hole temperature 170° F. Drilled 8-3/4" hole to 4971' at 6:25 P.M. October 13, 1963.

Ran Drill Stem Test #3 from 4872-4971' in Dakota, 5/8" bottom choke, 1" top choke, open 5 minutes, weak blow of air. Initial Shut In 30 minutes, open 30 minutes - weak blow of air throughout. Final Shut in 45 minutes, pulled out of hole, recovered 682' muddy water - no shows. Initial flow pressure 152#, Final Flow Pressure 1182#, Initial Shut In Pressure 1182#, Final Shut In Pressure 1105#, Initial Hydrostatic Pressure 2504#, Final Hydrostatic Pressure 2485#. Ran Schlumberger Induction-Electric log and Gamma Ray-Sonic log, Schlumberger TD 4971'. Logs showed bottom of 10-3/4" casing off and dropped to 700' - top at 670'.

Spotted 50 sacks cement plugs as follows: 4940' to 4840'; 3450' to 3350'; 1050' to 950'; 625' to 525', 25 sacks cement from 50' to surface. Completed plugging 2:30 P.M. 10/15/63. Installed permanent well marker at surface.

OW

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
310 NEWHOUSE BUILDING
SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Hatch "B" No. 1

Operator Phillips Petroleum Co. Address Cortez, Colo. Phone 565-3426

Contractor HIM Drilling Co. Address Denver, Colo. Phone Amherst 6-3454

Location: SE 1/4 SE 1/4 Sec. 2 T. 37 N R. 7 E
S W Garfield County, Utah.

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.			
2.			
3.			
4.			
5.			

(Continued on reverse side if necessary)

Formation Tops:

Remarks:

No water flows encountered - no tests made for fresh water production

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)

4.

7

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
FORM OGCC-2 AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: -The methods and procedure for plugging a well shall be as follows:

- (a) The bottom of the hole shall be filled to, or a bridge shall be placed at the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.
- (b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
- (c) A plug shall be placed at or near the surface of the ground in each hole.
- (d) The interval between plugs shall be filled with heavy mud laden fluid.
- (e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Wildcat County Garfield
 Lease Name Hatch "B" Well No. 1 Sec. 2 Twp. 37S
 Range 7N Date well was plugged: October 15, 1963.
 Was the well plugged according to regulation of the Commission? Yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole. (giving size, top and bottom elevations of each section of abandoned casing.)

Spotted 50 sacks cement plugs as follows: 4940 to 4840', 3450 to 3350', 1050 to 950', 625 to 525' and 25 sacks of cement from 50' to surface with permanent well marker at surface. 19 joints 10-3/4" 32.75# J-55 SS casing (577' LT) set at 587' RKB (1' below ground) with 460 sacks regular cement, (Circulated 25 sacks cement), left in hole.
Top elevation of 10-3/4" casing 7634'; bottom elevation of casing string 7087.5'; elevation of 1 joint knocked off during drilling from 6974.5' to 6944.5'.

Operator PHILLIPS PETROLEUM COMPANY
 Address P. O. Drawer 1150
C. M. Boles
 C. M. Boles, District Superintendent

AFFIDAVIT

STATE OF ~~UTAH~~ Colorado
 COUNTY OF Montezuma

Before me, the undersigned authority, on this day personally appeared C.M. Boles, known to me to be the person whose name is subscribed to the above instrument who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me this 18th day of October 1963

My Commission Expires:

MY COMMISSION EXPIRES 1-9-67

J. L. Richards
 NOTARY

INSTRUCTIONS: Complete this form in duplicate and mail both copies to the Oil & Gas Conservation Commission, Room 140, State Capitol Building, Salt Lake City, Utah.

4.

August 21, 1964

**Mr. C. M. Boles, Area Superintendent
Phillips Petroleum Company
Box 1150
Cortez, Colorado**

**Re: Oil and Gas Drilling Bond--
State of Utah-- Hatch "A" #1
and Hatch "B" #1 Wells**

Dear Mr. Boles:

Returned herewith is the bond covering the above mentioned wells. Liability thereunder is hereby terminated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

**GLENN B. FREIGHT
EXECUTIVE DIRECTOR**

GBF:bc

Enclosure