

**FILE NOTATIONS**

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

Checked by Chief \_\_\_\_\_  
Copy N I D to Field Office \_\_\_\_\_  
Approval Letter \_\_\_\_\_  
Disapproval Letter \_\_\_\_\_

**COMPLETION DATA:**

Date Well Completed 6-29-68  
OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_  
GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

Location Inspected \_\_\_\_\_  
Bond released \_\_\_\_\_  
State of Fee Land \_\_\_\_\_

**LOGS FILED**

Driller's Log \_\_\_\_\_  
Electric Logs (No. ) 5  
E \_\_\_\_\_ I \_\_\_\_\_ E-I  \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_  
Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

*Cement Bond Log - Temperature log*  
*Side-wall Neutron Porosity log*  
*Compensated Formation Density log*

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  
BUTTES GAS & OIL CO.

3. ADDRESS OF OPERATOR  
420 C. A. Johnson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1988' FWL, 1986' FNL, Section 17  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
12 miles south of Ouray, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
660' from property line, 1980'S

16. NO. OF ACRES IN LEASE  
1391.86

17. NO. OF ACRES ASSIGNED TO THIS WELL  
640 Acres

18. DISTANCE FROM PROPOSED LOCATION\* OF NEAREST DRILLING UNIT  
of nearest Drilling Unit

19. PROPOSED DEPTH  
8200'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
To be supplied.

22. APPROX. DATE WORK WILL START\*  
November 7, 1967

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	10 3/4"	32.75 lb	300'	250 Sx
9 7/8"	7 5/8"	26.4	6500	1000 Sx +/-
6 3/4"	4 1/2"	11.6	8200	

Drill 15" surface hole and set 300' +/- of 10 3/4" casing and cement with 250 sx regular cement w/ 2% CaCl<sub>2</sub>.  
Drill 9 7/8" diameter hole and set 6500' of 7 5/8" casing and cement.  
Drill 6 3/4" diameter hole to 8200' and set 1800' of 4 1/2" liner in open hole.  
Perforate and treat gas bearing Wasatch Sands in interval, 4800 to 6500'.  
Produce sands 6500 to 8200' through liner.

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 Robert M. Peterson TITLE Engineer DATE 11/3/67

(This space for Federal or State office use)

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

APPROVED BY Clem B Feigley TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Oil and Gas Conservation Commission (2)  
Buttes, Oakland \*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.  
U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Old Squaw's Crossing Unit

8. FARM OR LEASE NAME  
Old Squaw's Crossing Unit

9. WELL NO.

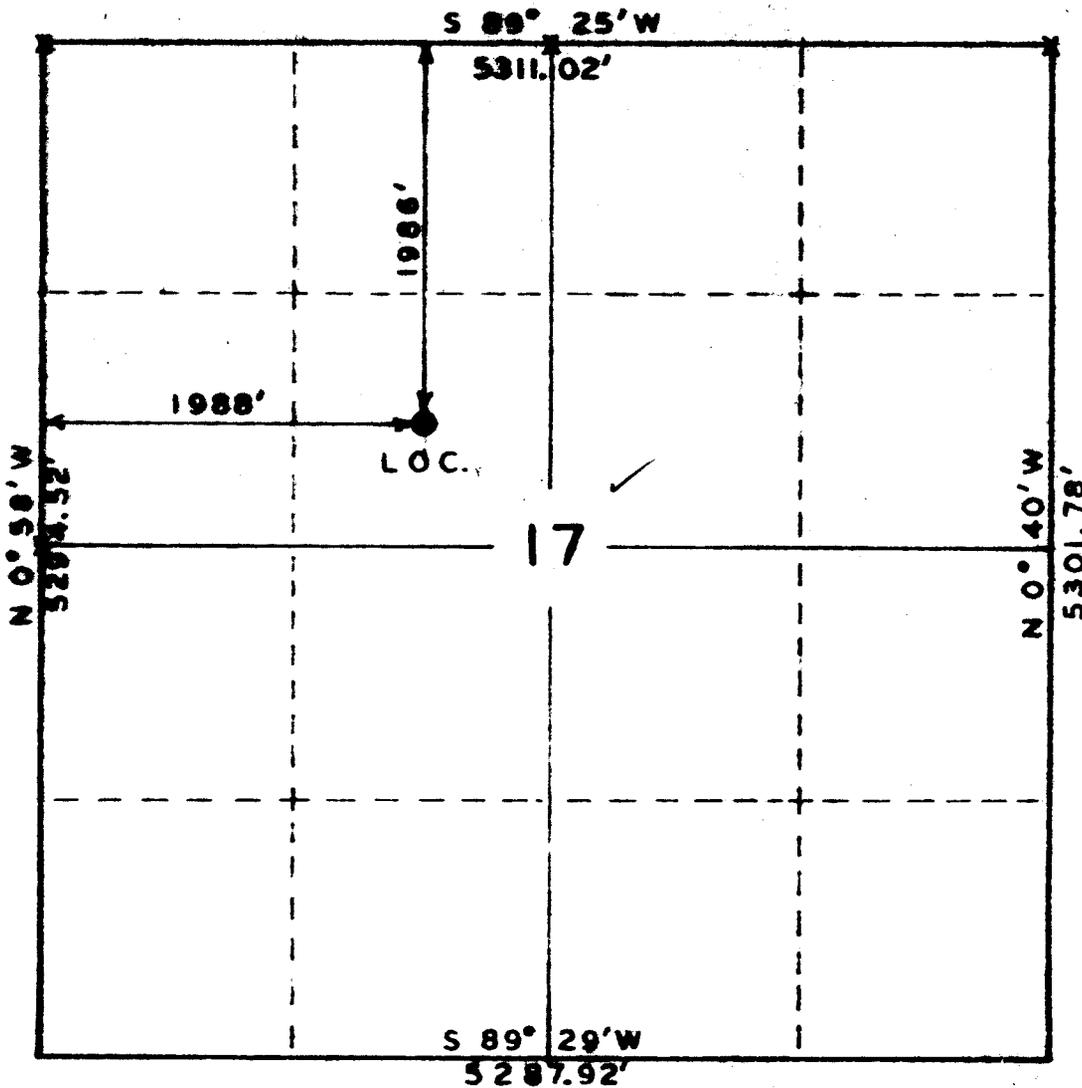
10. FIELD AND POOL, OR WILDCAT  
W. C.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
(S.L.B. & M.)  
Section 17-10S-20E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

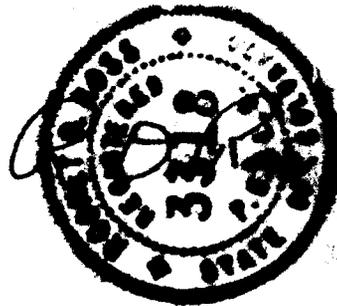
T 10S, R 20E, S1B&M.



X--Corners Located (Brass Caps)

Scale: 1" = 1000'

BY: ROSS CONSTRUCTION COMPANY  
VERNAL, UTAH



PARTY S. L. Luck  
S. L. Luck  
WEATHER Clear--Cool

SURVEY  
BUTTES GAS & OIL COMPANY  
LOCATION AS SHOWN IN CENTER SET, 1944,  
SECTION 17, T10S, R20E, S.L.B.&M.,  
UTAH COUNTY, UTAH

DATE 5/28/58  
REFERENCES INDEXED  
RECORDED  
Approved 5/28/58  
FILE Buttes Gas & Oil Co.



**OIL & GAS COMPANY**

420 C. A. JOHNSON BUILDING — 509 SEVENTEENTH STREET  
DENVER, COLORADO 80202

November 3, 1967

Gentlemen:

We could not find that a fee was required for drilling; if you do have a drilling permit fee, please so advise us and we will send our check at once.

*Neal Duckworth,*  
*Secretary*

# BUTTES GAS & OIL CO.

2150 FRANKLIN STREET  
OAKLAND, CALIFORNIA 94612

(415) 893-0364

November 6, 1967

Mr. C. B. Feight  
Oil and Gas Conservation Commission  
348 East South Temple  
Salt Lake City, Utah

SUBJECT: Old Squaw's Crossing Unit No. 1  
Uintah County, Utah

Dear Mr. Feight:

The Notice of Intention to Drill the Old Squaw's Crossing Unit No. 1 requests the location to be 1988 feet from the West Line and 1986 feet from the North Line of Section 17, Township 10 South, Range 20 East, S.L.B. & M., Uintah County, Utah. This location is approximately 3900 feet from the Mountain Fuel Supply Company No. 3 Island Unit well, which is 1916 feet from the South Line and 1976 feet from the West Line of Section 8. Since the location of the Old Squaw's Crossing well is closer than 4600 feet from the Island Unit No. 3, we request permission for an exception to the spacing ruling which states that a second gas well will be located no closer than 4600 feet from a producing gas well of the same formation.

We request this exception for the following reasons:

1. The lease on which the Old Squaw's Crossing well is to be located is a farmout from Mountain Fuel Supply Company, and the farmout agreement states that the well will be drilled at the above stated location. Since Mountain Fuel Supply is the operator of the Island Unit well, there is no conflict with the offsetting operator. I have discussed this matter with Mr. George Peppinger, Senior Landman with Mountain Fuel Supply Company in Salt Lake City, and he stated that he would call your office giving oral approval for the exception of our location and he would also send a letter to confirm their approval of the exception.

2. Geologically, these Wasatch Sands are buried river channels which are long, thin sand deposits, and they are very lenticular. It is usually impossible to correlate these sands between wells on 80-acre spacing, so the chance of encountering the same sand stringer in our proposed well and the Island Unit No. 3, which would cause interference of drainage, is very remote.

Mr. C. B. Feight

2

November 6, 1967

We will appreciate receiving your early consideration of this matter so that we will have written consent by your approval of our Notice of Intention to Drill.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert W. Peterson".

Robert W. Peterson

RWP:dwd

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

348 East South Temple  
Suite 301  
Salt Lake City, Utah 84111  
328-5771

November 7, 1967

Buttes Gas and Oil Company  
420 C. A. Johnson Building  
Denver, Colorado 80202

Re: Old Squaw's Crossing Unit #1  
Sec. 17, T. 10 S., R. 20 E.,  
Uintah County, Utah

Gentlemen:

Approval to drill the above mentioned well on an unorthodox location is hereby granted in accordance with Rule C-3(c).

Authorization for an open hole completion cannot be given until such time as the sufficient subsurface information is obtained to show that this type of completion is feasible.

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 0 Salt Lake City, Utah  
OFFICE: 328-5771

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

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling.

Your cooperation with respect to completing this

Buttes Gas and Oil Company  
Well No. Old Squaw's Crossing Unit #1  
November 7, 1967  
Page 2

form will be greatly appreciated.

The API number assigned to this well is 43-047-20308  
(see Bulletin D12, published by the American Petroleum  
Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:cnp

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



**MOUNTAIN FUEL SUPPLY COMPANY**

180 EAST FIRST SOUTH • P. O. BOX 11368 • SALT LAKE CITY, UTAH 84111 • PHONE 328-8315

November 7, 1967

L. W. FOLSOM  
MANAGER, EXPLORATION

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

Gentlemen:

Re Notice of Intent to Drill  
Old Squaw's Crossing Unit Well No. 1  
Buttes Gas & Oil Co.

Reference is made to the proposed location of the Old Squaw's Crossing Unit Well No. 1 which is 1986 feet SNL and 1988 feet EWL in Section 17, Township 10 South, Range 20 East. This location is less than 4960 feet from our Island Unit Well No. 3 located in Section 8, Township 10 South, Range 20 East, but Mountain Fuel Supply Company hereby waives any objection to the aforementioned location and requests that the State of Utah grant an exception to this location and approve the Notice of Intent to Drill by Buttes Gas & Oil Co.

Very truly yours,

L. W. Folsom

LWF-GAP:ga

cc: Buttes Gas & Oil Co.  
420 C. A. Johnson Building  
Denver, Colorado  
Attention: Mr. Bob Peterson

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN T. ICATE\*  
(Other instruct. on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**U-013769-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

**Old Squaw's Creng. Unit**

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

**W.C.**

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

**Sec. 17-105-20E**

14. PERMIT NO.

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

**1391.86' G.R.**

12. COUNTY OR PARISH

**Uintah**

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.)\*

Drilled 9 7/8" Dia hole to 6443'. Ran logs, Ran 7 5/8" Casing and cemented.  
Drilled 6443' to 8897', ran logs. Perforated open hole 8480-8510' (75 Jets)  
7550-60' (5 Jets), 7310-20' (5 Jets), 7080-88' (5 Jets) 7330-31' (2 Jets); 7328  
(1 Jet); total, 93 Jets. No increase in gas. Gas test 265 MCF/day.  
Ran 2 3/8" tubing to 6412' K.B. Plan to test well for approximately 30 days  
into Mountain Fuel Supply Company's sales line. Expect equipment to be  
installed by 1-15-68. ✓

cc: Mountain Fuel  
State of Utah  
John Wey

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

SIGNED

*[Signature]*

TITLE

**Engineer**

DATE

**1-15-68**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



OIL & GAS COMPANY  
A DIVISION OF BUTTES GAS & OIL CO.

SUITE 420, C. A. JOHNSON BUILDING, 509 SEVENTEENTH STREET, DENVER, COLORADO 80202

March 7, 1968

MEMO TO: R. W. Peterson  
FROM: J. E. Wey  
SUBJECT: Old Squaw's Crossing Unit No. 1

Attached is the static pressure survey by Northern Petroleum Engineering Company of Casper, Wyoming, pressure buildup plots and calculations based on these plots.

Both methods of analysis show that the formations from 6450 feet to total depth that are in the open hole portion are of very low permeability (Less than 0.2 md). In addition, these calculations indicate that there is not any damage to the well bore.

Based upon these data a stimulation program (acidizing and/or fracturing) would not be an attractive economic venture.

My recommendation would be to plug the open hole portion and attempt completion and stimulation of the indicated productive sands behind the 7 5/8-inch casing as outlined in the program that was submitted previously.

JEW:dwd

Enclosures

BUTTES GAS & OIL COMPANY

Old Squaw's Crossing Unit #1 - Wildcat, Uintah County, Utah

PRESSURE DRAWDOWN & BUILDUP SURVEY  
2/19/68 to 2/27/68

WELL DATA:

Elevation: 5105' KB  
 Perforations: Open hole from 6453' KB to TD (8897' KB)  
 Casings: 7 5/8" OD @ 6453' KB  
 Tubing: 2" @ 6440' KB  
 Temperature: 156° F @ 6440' KB

The well had been flowing for approximately one month as of 2/19/68. A sinker bar was run to a depth of 6453' KB where a plug in the hole was found. The sinker bar was dropped on the plug about 12 - 15 times as hard as possible but would not go any deeper. Amerada RPG-3 pressure gage #21576N (0-3500 psi) with 180-hour clock was set at 6440' KB at 5:30 PM, 2/19/68 with the well still flowing. The well continued to flow until 11:30 AM, 2/20/68, at which time it was shut in for a pressure buildup survey. The production rate prior to shut in was 270 MCF per day.

<u>Time &amp; Date</u>	<u>Hours Shut in</u>	<u>Deflection inches</u>	<u>Pressure @ 6440' KB psig</u>
5:30 PM, 2/19/68	flowing	.386	673
6:30 PM,	"	.382	666
7:30 PM,	"	.381	664
10:30 PM,	"	.381	664
11:30 PM,	"	.382	666
1:30 AM, 2/20/68	"	.382	666
2:30 AM,	"	.384	669
3:30 AM,	"	.384	669
4:30 AM,	"	.3845	670
11:30 AM,	"	.3845	670

Well shut in at 11:30 AM, 2/20/68.

12:00 N, 2/20/68	1/2	.404	705
	1	.424	741
	2	.463	810
	3	.500	876
	4	.536	940
	5	.570	1001
	6	.599	1052
	7	.628	1104
	8	.656	1154
	9	.682	1200
	10	.706	1243
	11	.728	1282
	12	.751	1323
	14	.791	1395
	16	.8245	1454
	18	.854	1507
	20	.881	1555

PRESSURE RECORDINGS: cont'd

<u>Time &amp; Date</u>	<u>Hours Shut in</u>	<u>Deflection inches</u>	<u>Pressure @ 6140' KB psig</u>
	22	.9025	1594
	24	.921	1627
	26	.9375	1656
	28	.951	1681
	30	.9635	1703
	32	.9745	1723
	34	.9835	1740
	36	.992	1755
	38	.999	1767
	40	1.006	1782
	42	1.012	1792
	44	1.018	1803
	48	1.028	1820 <sup>+</sup>
	52	1.037	1836 <sup>+</sup>
	56	1.045	1851
	60	1.052	1863
	64	1.058	1874
	68	1.0635	1884 <sup>+</sup>
	72	1.069	1893
	78	1.075	1904
	84	1.0815	1915
	90	1.087	1925
	96	1.092	1934
	102	1.0965	1942
	108	1.1005	1949
	114	1.105	1957
	120	1.1085	1963
	126	1.111	1967 <sup>+</sup>
	132	1.114	1973
	138	1.117	1978
	144	1.120	1983
	150	1.123	1989
1:30 AM, 2/27/68	158	1.1265	1995

The master gate leaked very badly, so the pressure had to be let off the well head to retrieve the pressure gage by undoing a union on the flow line and blowing down through a 2" opening. Considerable gas leaked off while doing this, so pressures on the following pressure gradient, run at 11:00 AM, 2/27/68, are somewhat lower than prior to pulling the gage at 9:00 AM, 2/27/68.

<u>DEPTH (feet)</u>	<u>DEFLECTION (inches)</u>	<u>PRESSURE (psig)</u>	<u>GRADIENT (psi/ft)</u>
0	.942	1670	
2500	1.012	1792	.049
4000	1.053	1865	.049
5500	1.0925	1935	.047
6000	1.105	1958	.046
6200	1.111	1968	.050
6440	1.1185	1980	.050

A DIVISION OF BUTTES GAS & OIL CO.

March 7, 1968

MEMO TO: Otto Hackel  
FROM: R. W. Peterson  
SUBJECT: Old Squaw's Crossing Unit No. 1

As you know, we ran a bottom-hole pressure survey on the Old Squaw's Crossing Unit No. 1. Unfortunately, the pressure bomb would not go past 6453 feet, K. D., so the pressure build-up was taken from this depth. I had scheduled a temperature survey to be run so the producing horizons would be known at the time the survey was run, but since we could not get below the 7 5/8-inch casing we had to abandon this idea.

I had John Key plot the results of the survey to establish the extrapolated shut-in pressure and also calculate the capacity, formation damage ratio and permeability. John did this by two different methods with the following results:

	<u>Extrapolated Bottom Hole Pressure, Psia</u>	<u>Formation Capacity</u>	<u>Average Permeability Assuming 30' Producing Sand</u>	<u>Calculated Formation Damage</u>
Method A	2223	4.88 md-ft	0.122 md	0.592
Method 1 A	2260	3.495	0.037	---

John did a good job on this project, and I am enclosing his work and his recommendations.

From the above calculations above the only conclusion you can arrive at is that cementing the liner and treating the lower sands will not be a good economic venture. As usual, there are other factors to consider. We do not know how much the cavings could be restricting the flow, but when you consider that the well was only producing 300 MCF/day while being drilled with approximately 100 Psig back pressure and will now produce 255 MCF/day with 600 Psig line pressure it is difficult to see how the cavings can be restricting the flow capacity of the well.

POOR COPY

Memo To: Otto Hackel

2

March 7, 1968

I obtained the cumulative production of the Island Unit wells from Mountain Fuel as of January 1, 1967, and it is listed below:

<u>Well</u>	<u>Cumulative MCF to 1/1/67</u>	<u>Present Producing Rate--MCF/Day</u>	<u>Remarks</u>
Island Unit No. 1	847,449	P & A	Casing leaked due to corrosion & water killed well. Produced @ 200 MCF/day when abandoned.
No. 2	---	---	No cumulative; very poor well.
No. 3	531,564	250	
No. 5	---	---	No cumulative; very poor well.
No. 6	278,880	250	

Considering all the above factors, I think our chances of obtaining commercial production are very poor. The Tenneco Natural Buttes well was shut in for about 30 days, and the capacity of it calculated to be 8 md-ft. This well is now producing about 400 MCF/day according to their district production superintendent.

The Old Squaw's Crossing Unit No. 1 has been back on production since February 27, 1968, and the production has leveled off at 255 MCF/day with 610 Psig tubing pressure and casing pressure for the past two days. I would still recommend that we go ahead and complete the Wasatch Sand zones behind the 7 5/8-inch casing.

RMP:dwd

Enclosures

cc: John Boreta With enclosures  
Gilman A. Hill With enclosures

POOR COPY

*Sharon*

*Juniper*



OIL & GAS COMPANY

A DIVISION OF BUTTES GAS & OIL CO.  
SUITE 420, C. A. JOHNSON BUILDING, 509 SEVENTEENTH STREET, DENVER, COLORADO 80202

March 19, 1968

*Buttes Gas & Oil Co.*

~~Mr. Rodney A. Smith  
U. S. Geological Survey  
Federal Building  
Salt Lake City, Utah~~

Dear Mr. Smith:

Enclosed are copies of the calculations and results of the bottom hole pressure test we ran on the Old Squaw's Crossing No. 1. As you can see from the results of these calculations, the sand intervals which are presently producing are of very low permeability. We have sent a recommendation to our management regarding future work on this well. We have not received an answer yet but expect to before long. They will have to make the decision on whether to run a liner to total depth and cement and then stimulate some of the better sands behind the liner or to set a bridge plug in the bottom of the 7 5/8" casing and perforate and stimulate the prospective producing sands behind the 7 5/8" casing and test for production.

In either case, I will contact you and get approval before we attempt a re-completion.

Sincerely,

Robert W. Peterson

RWP:dwd

Enclosures

cc: C. B. Feight, Utah Oil and Gas Conservation Commission

C  
O  
P  
Y

MAR 21 1968

NAME

BUTTES GAS & OIL CO.

r Type—Last Name First

rea Code or  
telephone #

House No. and Street, Apt. No.; or Box or R.D. No. (In care of)

OLD  
ADDRESS

1028 Patterson Building

Post Office, State, and ZIP Code

Denver, Colorado

House No. and Street, Apt. No.; or Box or R.D. No. (In care of)

NEW  
ADDRESS

420 C. A. Johnson Building

Post Office, State, and ZIP Code

Denver, Colorado 80202

SIGN  
HERE

*E. W. Peterson* 4/1/68

Effective date

COMPLETE OTHER SIDE

©PO c55-16-74245-6

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN REVERSE SIDE  
LICATE\*  
s on re-

Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME Old

Squaw's Crossing Unit

2. NAME OF OPERATOR

BUTTES GAS & OIL CO.

8. FARM OR LEASE NAME

Old Squaw's Crossing

3. ADDRESS OF OPERATOR

420 C. A. Johnson Building, Denver, Colorado 80202

9. WELL NO.

Unit No. 1

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

1988' FWL and 1986' FNL, Section 17

10. FIELD AND POOL, OR WILDCAT

Old Squaw's Crossing Unit

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

Section 17-10S-20E

14. PERMIT NO.

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

5095' Ground; 5105' K. B.

12. COUNTY OR PARISH

Uintah

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  ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

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

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

1. See attached program for work details.
2. Approximate commencement date 5/6/68.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION

DATE May 10, 1968

BY *Clem B. Feight*  
Director

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

SIGNED

*John S. Way*

TITLE

Engineer

DATE

4/30/68

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: Utah Oil & Gas Cons. Comm.

\*See Instructions on Reverse Side

BUTTES GAS & OIL CO.

OLD SQUAW'S CROSSING NO. 1

PROPOSED COMPLETION PROGRAM

WASATCH SAND BEHIND 7 5/8" CASING

Location: 1988' FWL and 1986' FNL, Section 17, Township 10 South, Range 20 East, Uintah County, Utah.

Elevation: 5105' K. B., 5095' G. L.

Surface Casing: 312' of 10 3/4", 32.74 lb, H-40, 8 rd th, ST&C casing cemented at 309' with 180 sx, 35% Pozmix, 65% Class 'G' with 5% Gel followed by 100 sx regular with 2% CaCl<sub>2</sub>.

Intermediate Casing: 6441' of 7 5/8", 24 and 26.4 lb, J-55 and N-80, 8 rd th, S&LTC Spang casing and 26.4 lb, N-80, Spang Extreme Line casing, Cemented perforations at 6132-34' with 107 sx light weight cement (12.1 ppg), 350 sx of 50-50 Pozmix with 2% Gel and 3/4% CFR-2, cemented through DV collar at 3808' with 150 sx light weight cement, 500 sx 50-50 Pozmix with 2% Gel, 10% NaCl and 3/4% CFR-2. Cemented from 6450 to perforations, 6140-42' with 150 sx 50-50 Pozmix with 10% NaCl and 3/4% CFR-2. Casing parted 6204-14'. Top of cement columns at 5000' and 1950'.

Tubing: 205 Joints, 6400.07', 2 3/8", E.U.E., 4.7 lb, J-55, 8 rd th new tubing, landed at 6412.07' K. B.

Completion Program:

1. Move in completion or drilling rig.
2. Blow well down. Install BOE and rotating head.
3. Pull 2 3/8" tubing and lay down.
4. Pick up rental 2 7/8" drill tubing.
5. Using gas, clean out open hole from shoe of 7 5/8" casing to 8800' +/-.
6. Run Baker retrievable bridge plug and set at 6420' +/-.
7. Determine gas rate from interval 6200-6213' (parted 7 5/8" casing).
8. Run McCullough Gamma Ray-Collar log from top of Baker plug to 4500'.
9. Perforate the following intervals with one hole per two feet using McCullough solid carrier gun.

<u>Interval</u>	<u>Feet</u>	<u>Holes</u>
6373-6333'	40'	20
6244-6224	20	10
6220-6216	4	2
6210-6193	17	9
5937-5902	35	18
5897-5860	37	19
5834-5828	<u>6</u>	<u>3</u>
Totals	159'	81

10. Test flow well for gas rate. If flow rate satisfactory and water entry minimal, then equip well for production; otherwise proceed to Step 11.

11. Run retrievable Baker bridge plug and packer on 2 7/8" tubing and acidize zones.
  - a. Use 10 gal. of 15% HCl per foot of zone perforated.
  - b. Use one ball sealer for every 20 gal. of acid injected.
  - c. Displace with water.
  - d. Release pressure and follow with:
  - e. Ten gal. of 9% HCl-6% HF per foot of zone perforated.
  - f. Use one ball sealer for every 20 gal. of acid injected.
  - g. Displace with water and shut well in.
12. Leave shut in 30 minutes.
13. Flow and swab spent acid to sump.
14. Treat perforated intervals as follows:
  - a. 6373-6330', 43 net feet.  
430 gals 15% HCl, 430 gals 9% HCl-6% HF  
21 ball sealers each stage.
  - b. 6246-6224', 22 net feet.  
220 gals 15% HCl, 220 gals 9% HCl-6% HF  
11 ball sealers each stage.
  - c. 5937-5902', 35 net feet.  
350 gals 15% HCl, 350 gals 9% HCl-6% HF  
17 ball sealers each stage.
  - d. 5897-5828', 42 net feet.  
420 gals 15% HCl, 420 gals 9% HCl-6% HF  
21 ball sealers each stage.
15. Pull retrievable bridge plug and packer.
16. Retrieve Baker bridge plug set at 6420'.
17. Run 2 3/8" tubing with packer and set packer at 6400' +/- with tail to 6410' +/-.
18. Equip well for dual completion and test to Mountain Fuel Supply Company's line.

JEW: dwd  
4/30/68

DISTRIBUTION: U. S. Geological Survey, Salt Lake City  
Utah Oil & Gas Cons. Comm, Salt Lake City  
McCullough Tool Co., Vernal  
Halliburton Co., Vernal  
Buttes, Oakland

1588 West North Temple  
Salt Lake City, Utah 84116  
328-5771

July 22, 1968

Buttes Gas & Oil Company  
420 C.A. Johnson Building  
Denver, Colorado 80202

Re: Well No. Federal 30-B3X,  
Sec. 30, T. 40 S., R. 12 W.,  
Washington, County Utah.

Well No. Old Sqaws Crossing #1,  
Sec. 17, T. 10 S., R. 20 E.,  
Uintah County, Utah.

Gentlemen:

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

Please complete the enclosed Forms OGC-3, "Well Completion or Recompletion Report and Log", in duplicate and forward them to this office as soon as possible.

Thank you for your cooperation in this request.

Sincerely,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON  
RECORDS CLERK

sc

BUTTES GAS & OIL CO.

OLD SQUAW'S CROSSING UNIT NO. 1

Static Pressure Buildup

2/19/68 to 2/27/68

( A Plot )

Formulae:

Transmissibility

$$\frac{(Kh)}{u} \text{ gas theor.} = \frac{1627 QZT}{m}$$

$$\frac{(Kh)}{u} \text{ gas indicated} = \frac{3267 QZT \text{ Log } (0.472 \frac{r_e}{r_w})}{(P_s^2 - P_f^2)}$$

$$\text{Damage Ratio: } D = \frac{Kh \text{ Theor.}}{Kh \text{ Indicated}}$$

- Q = Aug. adjusted production rate during test - MCFPD  
Z = Compressibility factor - Vol/vol/psi  
T = Temperature - °R  
u<sub>g</sub> = Viscosity - cp  
m = Slope of pressure plot - PSIA<sup>2</sup>/Cycle  
K = Permeability - millidarcy  
h = Formation interval thickness - feet  
r<sub>e</sub> = Radius of drainage - feet  
r<sub>w</sub> = Wellbore radius - feet  
P<sub>s</sub> = Extrapolated static pressure - psia  
P<sub>f</sub> = Final flow pressure - psia  
G = Gas gravity, air = 1.0

From pressure plot and well:

- |                  |                       |                   |                   |
|------------------|-----------------------|-------------------|-------------------|
| P <sub>s</sub> = | 2223 PSI              | T <sub>pr</sub> = | 1.68 (Calculated) |
| m                | 129 x 10 <sup>4</sup> | P <sub>PR</sub>   | 3.32 (Calculated) |
| Q                | 270 MCFPD             | P <sub>f</sub>    | 670 PSI           |
| G                | 0.62 Est.             | Z                 | 0.805             |
| T                | 156° F. = 616° R      | u <sub>g</sub>    | 0.01625           |

$$\frac{(Kh)}{u} \text{ Theor.} = \frac{1627 ZTQ}{m}$$

$$= \frac{1627 \times 0.85 \times 616 \times 270}{129 \times 10^4}$$

$$\frac{(Kh)}{u} \text{ Theor.} = 178$$

$$K = 0.072 \text{ md; } l f t = 40'$$

$$\frac{(Kh)}{u} \text{ Indicated} = \frac{3267 QZT \text{ Log } (0.472 \frac{r_e}{r_w})}{(P_s^2 - P_f^2)}$$

$$= \frac{3267 \times 270 \times 0.85 \times 616 \times \text{Log } (0.472 \frac{0.35}{1000})}{(2223^2 - 670^2)}$$

$$\frac{(Kh)}{u} \text{ Indicated} = 300.7$$

$$K = 0.122 \text{ md; } l f t = 40'$$

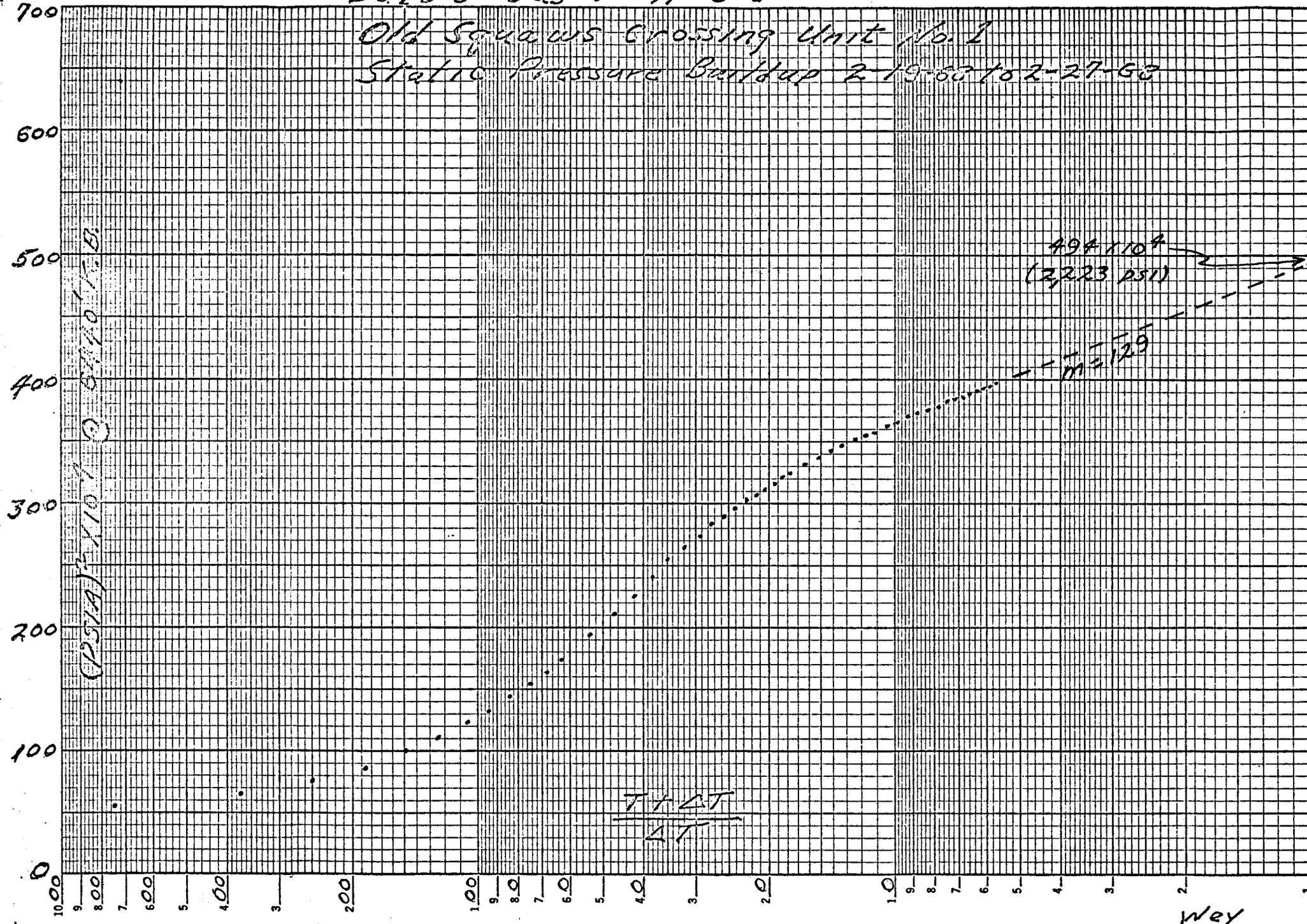
$$DR = \frac{(Kh) \text{ Theor.}}{(Kh) \text{ Indicated}} = \frac{178}{200.7} = 0.592$$

No indicated damage to formation.

JEW:dwd  
3/6/68

Buttes Gas & Oil Co.

Old Squawrs Crossing Unit No. 1  
Static Pressure Buildup 2-19-68 to 2-27-68



(PSIA)  $\times 10^4$  0 50 100 150 200 250 300 350 400 450 500 550 600 650 700

$494 \times 10^4$   
(2,223 PSI)

$m=129$

$\frac{T \Delta T}{\Delta T}$

Day

BUTTES GAS & OIL CO.  
OLD SQUAW'S CROSSING UNIT NO. 1  
Static Pressure Buildup  
2/19/68 to 2/27/68  
( 1 A Plot )

$$B_g = Z \frac{T}{T_{sc}} \frac{P_{sc}}{\frac{P_s + P_{wf}}{2}}$$

Z = 0.805

T = 616° R (156° F. + 460°)

T<sub>sc</sub> = 520° R (60° F. + 460°)

P<sub>sc</sub> = 14.65 Psia

P<sub>s</sub> = 2223 Psig = 2237.65 Psia

P<sub>wf</sub> = 670 Psig = 684.65 Psia

$$B_g = 0.805 \times \frac{616}{520} \times \frac{14.65}{\frac{(2237.65 + 684.65)}{2}}$$

B<sub>g</sub> = 0.00949

u<sub>g</sub> = 0.01625                      ϕ = 0.12 (Est.)

C<sub>g</sub> = 0.000447                      S<sub>q</sub> = 0.65 (Est.)

C<sub>w</sub> = 13 × 10<sup>-6</sup> (Est.)              S<sub>w</sub> = 0.35 (Est.)

C<sub>f</sub> = 4.4 × 10<sup>-6</sup> (Est.)

C<sub>t</sub> = 0.65 (0.000447) + 0.35 (13 × 10<sup>-6</sup>) + 4.4 × 10<sup>-6</sup>

C<sub>t</sub> = 297.4 × 10<sup>-6</sup>

Q = 270 MCFPD = 48,087 Bbl.

m = 345 Psi/Cycle

Kh =  $\frac{162.6 Q u B_g}{m}$

$$= \frac{162.6 \times 48,087 \times 0.01625 \times 0.00949}{345}$$

Kh = 3.495; If t = 40' then K = 0.09 md

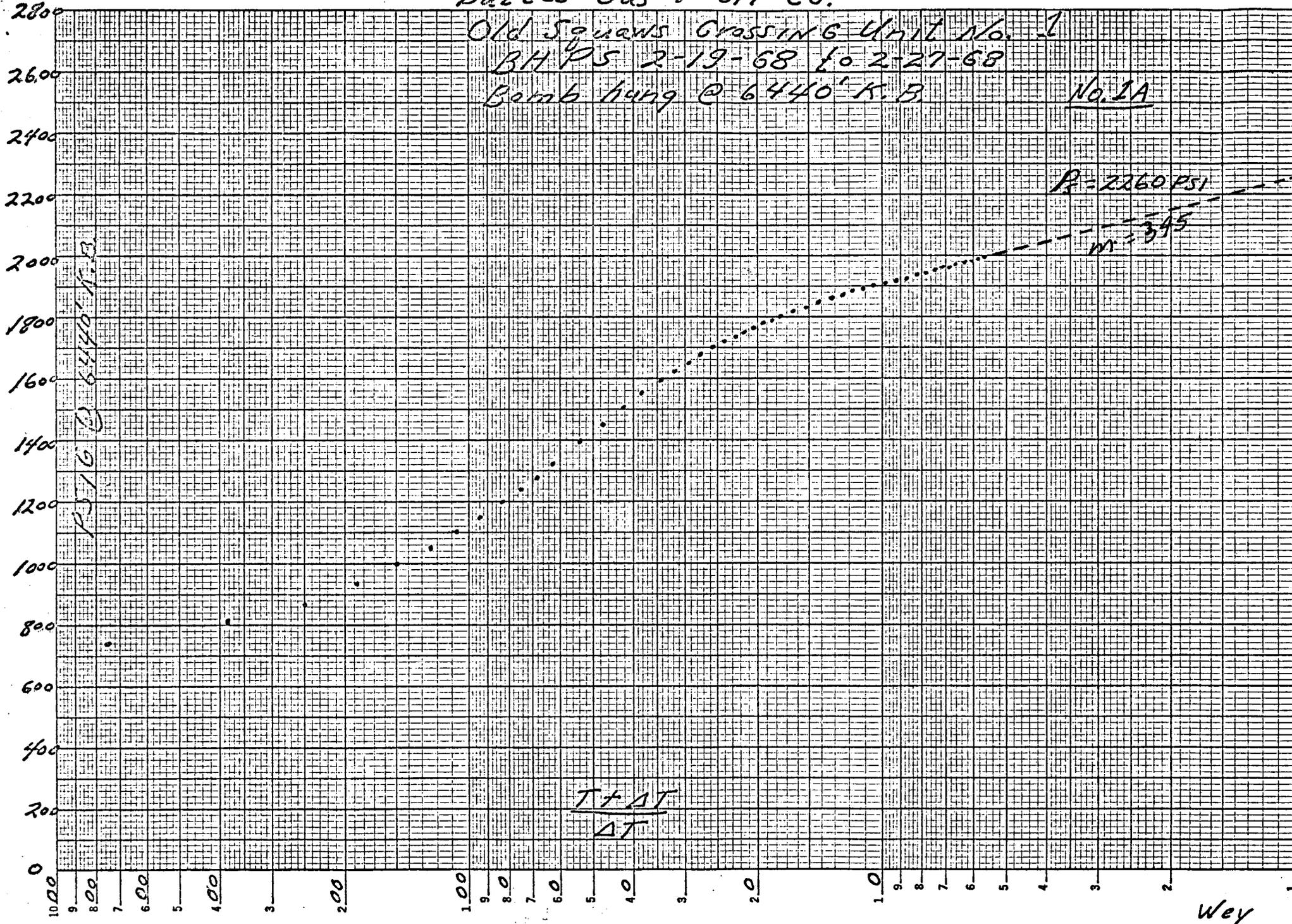
$$\begin{aligned} s &= 1.151 \left[ \frac{(P_{hr.} - P_{wf})}{m} - \log \left( \frac{K}{\phi u C_t r_w^2} \right) + 3.23 \right] \\ &= 1.151 \left[ \frac{(741 - 670)}{345} - \log \left( \frac{0.09 \times 144}{0.12 \times 0.01625 \times 0.000297 \times 12.25} \right) + 3.23 \right] \\ &= -3.265 \end{aligned}$$

JEW:dwd  
3/6/68

Batter Gas & Oil Co.

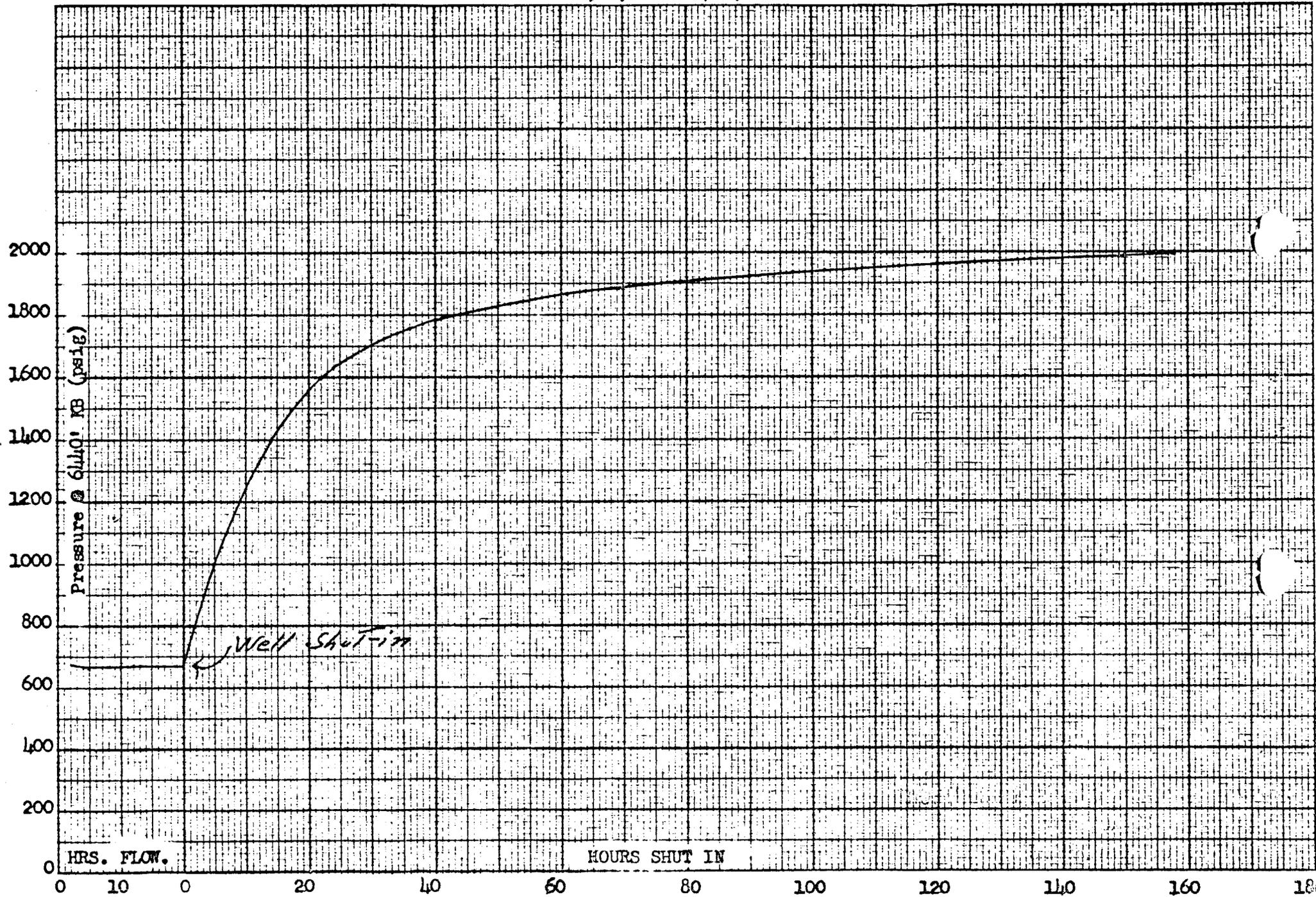
Old Squaws Crossing Unit No. 1  
 BHPS 2-19-68 to 2-27-68  
 Bomb hung @ 6440' K.B.

No. 1A



BUTTES GAS & OIL COMPANY  
Old Squaw's Crossing Unit #1 - Wildcat, Uintah County, Utah

PRESSURE DRAWDOWN & BUILDUP SURVEY  
2/19/68 to 2/27/68



August 8, 1968

**Mr. Robert R. Norman  
Buttes Gas & Oil Company  
4 Uranium Building  
Moab, Utah 84532**

Re: Well No. Federal 30-83X,  
Sec. 30, T. 40 S., R. 12 W.,  
Washington County, Utah.

Well No. Old Squaw's Crossing #1,  
Sec. 17, T. 10 S., R. 20 E.,  
Uintah County, Utah.

**Dear Bob:**

Repeated requests to Buttes Gas & Oil Company in Denver, Colorado for the Well Completion Report and Electric Logs for the above mentioned wells have been ignored.

Could you please assist in expediting the submission of these reports.

If said reports are not filed by the end of this month, the Attorney General will be requested to take the necessary legal action.

In the mean time this office can not approve the drilling of additional wells by Buttes Gas & Oil Company in the State of Utah.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sp

Buttes Gas & Oil Company, Denver, Colorado

PI

Telephone: 222-7797  
Area Code: 303

*Sharon*  
**Juniper**



**JUNIPER OIL & GAS COMPANY**  
A DIVISION OF BUTTES GAS & OIL CO.  
420 C. A. JOHNSON BLDG.  
DENVER, COLORADO 80202

**OIL & GAS COMPANY**

SUITE 420, C. A. JOHNSON BUILDING, 509 SEVENTEENTH STREET, DENVER, COLORADO 80202

August 26, 1968

Mr. Rodney A. Smith  
U. S. Geological Survey  
8416 Federal Building  
Salt Lake City, Utah 84111

Re: Old Squaw's Crossing Unit No. 1

Gentlemen:

Enclosed, for your approval, is a Notice of Intention to complete the Old Squaw's Crossing Unit No. 1 well.

With the installation of this equipment and the production of the well to Mountain Fuel Supply Company's line, the well completion will be submitted.

Sincerely,

*John E. Wey*  
John E. Wey

JEW:dwd

cc: Utah Oil and Gas Conservation Commission

C  
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Y

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

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 checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-013769-A
2. NAME OF OPERATOR Buttes Gas & Oil Co.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 420 C. A. Johnson Building, Denver, Colorado 80202		7. UNIT AGREEMENT NAME Old Squaw's Crossing
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1986' FNL and 1988' FWL		8. FARM OR LEASE NAME Old Squaw's Crossing Unit
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5105' K. B. and 5093' Ground	9. WELL NO. 1
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Section 17-10S-20E, SLB & M
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

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

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

Present conditions:

10 3/4", 32.75#, cemented at 310' with 185 sx.  
 7 5/8", 26.4 lb, cemented at 6441' with 850 sx.  
 T. D. 8897'; P. B. T. D. 6420'.  
 7 5/8" casing perforated with one hole per two feet, 6373-6333', 6244-6224', 6220-6216', 6210-6193', 5937-5902, 5897-5860 and 5834-5828'.  
 2 3/8" E. U. E. tubing hung at 6391'.

Proposed work:

1. Attempt recovery of Halliburton bridge plug at 6420'.
2. Install bottom hole gas-water separator on 2 3/8" tubing with two gas lift valves to effect automatic de-watering of well.
3. Connect casing to sales line and produce well to Mountain Fuel Supply Company's line.
4. Proposed date well to be completed is September 15, 1968.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION

DATE

BY *Paul E. Bushnell*

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

SIGNED

*John E. Why*

TITLE

Engineer

DATE

8/26/68

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*Handwritten initials*

*Sharon*  
*Juniper*



**OIL & GAS COMPANY**  
A DIVISION OF  
**BUTTES GAS & OIL CO.**

SUITE 420, C. A. JOHNSON BUILDING, 509 SEVENTEENTH STREET, DENVER, COLORADO 80202

August 30, 1968

Mr. Cleon B. Feight  
Utah Oil and Gas Conservation Commission  
1588 West North Temple  
Salt Lake City, Utah 84116

Dear Mr. Feight:

We apologize for the delay in submitting you copies of the completion report for the No. 1 Old Squaw's Crossing Unit well in Uintah County, Utah. This report is now being completed, and copies should be mailed to you the first part of next week.

By now you should have received all the information you require on the Federal 30-B3X well in Washington County, Utah. If you do still require additional information on this well, or on the Old Squaw's Crossing well after receipt of the above mentioned materials, please let us know.

Sincerely,

*John E. Wey*  
John Wey

JEW:dwd

**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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. Utah 013769-A	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Buttes Gas & Oil Co.		7. UNIT AGREEMENT NAME Old Squaws Crossing	
3. ADDRESS OF OPERATOR 420 C. A. Johnson Bldg., Denver, Colo. 80202		8. FARM OR LEASE NAME Old Squaws Crossing Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1986' from Northline and 1988' from Westline. At top prod. interval reported below Same At total depth Same		9. WELL NO. No. 1	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUNDED 11-16-67		11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA Sec. 17, T 10S, R 20E SLB&M	
16. DATE T.D. REACHED 12-25-67		12. COUNTY OR PARISH Unitah	
17. DATE COMPL. (Ready to prod.) 6-29-68		13. STATE Utah	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5105KB		19. ELEV. CASINGHEAD 5093	
20. TOTAL DEPTH, MD & TVD 8897		23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0-8897	
21. PLUG, BACK T.D., MD & TVD 6420' K.B.		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1-19-68 to 5-6-68 6441 - 8897 (Open hole) Present 5878' - 6373'	
22. IF MULTIPLE COMPL., HOW MANY* _____		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN LES - FDC - GR - SNP		27. WAS WELL COBED No	

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	32.75	310	15	185sx Pozmix, 100sx neat	None
7-5/8	26.4	6441	9-5/8	C.P. @ 6134' w/ 107 sx tt. wt. / 350sx Pozmix thru D.V. Collar @ 3808' w/ 500sx Pozmix	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2-3/8	6391	None

31. PERFORATION RECORD (Interval, size and number) Jet Perf 1 hole/2 ft. 6373-33,6244- 24,6200-16,6210-6193,5937-02,5897- 60,5834-28.		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
6333 - 6373	410 gal. HCl, 420gal HF Acid		
6224 - 6244	350 gal. HCl, 350gal HF Acid		
5902 - 5937	320 gal. HCl, 320gal HF Acid		
5848 - 5952	420 gal. HCl, 470gal HF Acid		

**33.\* PRODUCTION**

DATE FIRST PRODUCTION 1-19-68	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	WELL STATUS (Producing or shut-in) Prod.
DATE OF TEST 6-29-	HOURS TESTED 24	CHOKE SIZE
PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
FLOW. TUBING PRESS.	CASING PRESSURE	WATER—BBL.
675	1000	OIL GRAVITY-API (CORR.)
CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.
		147

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Sold to Mt. Fuel Supply Co.

35. LIST OF ATTACHMENTS  
Completion Report 5-6-68 to 8-15-68

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

SIGNED Robert W. Peterson TITLE Engineer DATE 8-30-68

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

cc: Utah Division of Oil & Gas Conservation

# 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 tool.

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
<p>See Attached Sheet, Wasatch &amp; Mesaverde Porous Intervals from 4890 8687</p>	4890	8687	<p>Ss, white to light grey, very fine to fine grained, dirty soft to medium hard, poor apparent porosity and permeability.</p>	<p>NAME Green River Wasatch Wasatch to Mesaverde Transition zone Mesa Verde</p>	<p>MEAS. DEPTH 1260' 4752 7650  8175</p>

U.S. GOVERNMENT PRINTING OFFICE: 1969-O-683636

871-233

5/1/03

OLD SQUAW'S CROSSING UNIT #1

Log Calculations of Porous Zones  
(Attachment to Completion Report  
USGS Form 9-330)

Interval	Porosity from Density & Neutron Log-%	Water Saturations %	Remarks
4890-4904	10.5	78	
5240-5250	8.5	100	
5530-5554	9.0	72	
5574-5609	6.0	100	
5824-5839	13.0	56	
5842-5854	5.0	100	
5854-5875	13.5	70	
6192-6198	14.5	50	
6198-6210	10.0	57	
6210-6218	11.5	43	
6222-6246	5.0	95	
6328-6350	13.5	57	
6350-6360	9.5	70	
6474-6496	6.0 Minimum		Hole too washed out to use Density log.
6546-6550	7.0 Minimum		Hole too washed out to use Density log.
6554-6562	7.0 Minimum		Hole too washed out to use Density log.
6904-6908	8.0	100	Not producible.
7080-7088	13.0	38	
7310-7321	12.0	22	
7540-7549	7.0	35	
7549-7560	15.0	15	
7582-7590	8.0	35	
7636-7645	12.0	65	
7718-7724	8.0	70	
7764-7773	10.0	58	
7809-7816	10.0	60	
7990-7994	8.0	70	
8029-8036	10.0	45	
8190-8240	5.0 Minimum		Hole washed out.
8306-8329	15.0	60	
8380-8400		100	Shaley & high water saturation.
8400-8406	16.0	60	
8470-9476	12.0	63	
8480-8487	29.0	30	
8490-8495	28.0	30	May be influenced by coal.
8497-8502	23.0	38	
8504-8509	18.0	58	
8558-8571	15.0	70	
8662-8676	13.0	60	Maximum 16% porosity.
8680-8670	10.0	60	Maximum 14% porosity.

OLD SQUAW'S CROSSING UNIT #1

Log Calculations of Porous Zones  
(Attachment to Completion Report  
USGS Form 9-330)

Interval	Porosity from Density & Neutron Log-%	Water Saturations %	Remarks
4890-4904	10.5	78	
5240-5250	8.5	100	
5530-5554	9.0	72	
5574-5609	6.0	100	
5824-5839	13.0	56	
5842-5854	5.0	100	
5854-5875	13.5	70	
6192-6198	14.5	50	
6198-6210	10.0	57	
6210-6218	11.5	43	
6222-6246	5.0	95	
6328-6350	13.5	57	
6350-6360	9.5	70	
6474-6496	6.0 Minimum		Hole too washed out to use Density log.
6546-6550	7.0 Minimum		Hole too washed out to use Density log.
6554-6562	7.0 Minimum		Hole too washed out to use Density log. Not producible.
6904-6908	8.0	100	
7080-7088	13.0	38	
7310-7321	12.0	22	
7540-7549	7.0	35	
7549-7560	15.0	15	
7582-7590	8.0	35	
7636-7645	12.0	65	
7718-7724	8.0	70	
7764-7773	10.0	58	
7809-7816	10.0	60	
7990-7994	8.0	70	
8029-8036	10.0	45	
8190-8240	5.0 Minimum		Hole washed out.
8306-8329	15.0	60	
8380-8400		100	Shaley & high water saturation.
8400-8406	16.0	60	
8470-9476	12.0	63	
8480-8487	29.0	30	
8490-8495	28.0	30	May be influenced by coal.
8497-8502	23.0	38	
8504-8509	18.0	58	
8558-8571	15.0	70	
8662-8676	13.0	60	Maximum 16% porosity.
8680-8670	10.0	60	Maximum 14% porosity.

7-28-68 Well dead.

7-29-68 Well dead.

7-30-68 0/1775. Rock well 3 times. Unloaded approx. 60bbl. Cleaned up in 1 hour 45 min. Shut in. 1100/1100.

7-31-68 1530/1530. Blew well 15 min. through 2" at 250/1150. No water. Shut in. 1150/1150. Opened well through 4/64" choke at 10:30 a.m.

8-1-68 1440/1440. Choke froze. Blew 15 min. through 2". No water. Shut in 940/940. Opened well through 20/64" choke.

8-2-68 30/450. Blowing to air on 20/64" choke. No water.

8-3-68 155/275. Blowing to air on 20/64" choke. No water.

8-4-68 100/800. Blowing to air on 20/64" choke. Opened to 2". Unloaded small amount of water. Installed 10/64" choke.

8-5-68 250/825. Tried to unload water. Shut well in.

8-6-68 1300/1225. Blew well. Would not unload. Shut well in.

8-7-68 1025/1485. Blew well. Would not unload.

8-8-68 1025/1600. Blew well. Would not unload.

8-9-68 1020/1425. Blew 1 hr. Unloaded approx. 2 bbl water. Blew casing to 600 psi. Shut in. Tubing and casing equalized 600/600 in 15 min. Install 15/64 choke. Blew to air.

8-10-68 625/750. Producing to air. Changed to 10/64 choke.

8-11-68 50/850. Well dead.

8-12-68 1400/1600. Blew well. Would not unload.

8-13-68 1450/1650. Blew well. Would not unload.

8-14-68 Raining. No Readings.

8-15-68 1680/1800. Blew well. Would not unload.

5-24-68 Tbg.-Opsi Csg.-1700 psi  
 5-25-68 Tbg.-Opsi Csg.-1995 psi  
 5-26-68 Tbg.-Opsi Csg.-2030 psi  
 5-27-68 Tbg.-Opsi Csg.-2055 psi  
 5-28-68 Tbg.-Opsi Csg.-2100 psi  
 5-29-68 Moving in unit to swab  
 5-30-68 Moving in unit to swab  
 5-31-68 Tbg.-Opsi Csg.-2140 psi. Swabbed well on.  
 6-1-68 Flowing well through adjustable choke. 0/250  
 6-2-68 Flowing well through adjustable choke. 0/1000  
 6-3-68 Flowing well through adjustable choke. 0/1460  
 6-4-68 to 6-7-68 Well Shut in  
 6-8-68 1200/1675. Blew well 3 min. and cleaned. Shut in 1500/1500.  
 6-9-68 1575/1650. Blew well. Cleaned up. 1500/1500.  
 6-10-68 1600/1750. Shut in  
 6-11-68 1615/1800. Shut in  
 6-12-68 1635/1875. Shut in  
 6-13-68 1690/1975. Blew 3 min. 1725/1800.  
 6-14-68 1800/1845. Blew 3 min. 1580/1650.  
 6-15-68 to 6-26-68 No reports. Mt. Fuel Supply Co. working on main gas line.  
 Well shut in.  
 6-27-68 1420/1800. Blew 6 min. 1675/1675.  
 6-28-68 1600/1775. Turned to line.  
 6-29-68 675/1000. Prod 147 MCF. Unloading water thru dump at rate of 15 gal./hr.  
 6-30-68 575/1300. Well dead. Blew to air. Would not unload water.  
 7-1-68 610/1600. Prod 155 MCF. Well died.  
 7-2-68 to 7-7-68 Well dead.  
 7-8-68 0/2025. Well dead.  
 7-9-68 to 7-18-68 Well dead. Tried to blow. Would not unload.  
 7-19-68 0/2100. Swabbed 4 times. Left shut in.  
 7-20-68 800/2100. Blew well. Did not unload completely. 1400/1500.  
 7-21-68 Blew well. Would not unload.  
 7-22-68 Blew well. Would not unload.  
 7-23-68 Blew well. Would not unload.  
 7-24-68 Blew well. Would not unload.  
 7-25-68 0/2500. Swabbed well on. Blew to 700 psi on Csg. Shut in and pressures  
 600/1800?  
 7-26-68 1330/1330. Blew well. No water. 1330/1330.  
 7-27-68 795/1330. Blew well. Would not unload. Well dead. 0/1330.

5-19-68 (con't)

<u>Time</u>	<u>CSG Press</u>	<u>Tester Press</u>	<u>MCFPD Rate</u>	<u>Remarks</u>
		1" plate		
9:45 a.m.	300	45	1269	Wet
9:55	240	40	1162	"
10:00	225	35	1057	"
		Changed to 3/4" at 10:00 a.m.		
10:05	190	53	790	"
10:10	170	47	720	"
10:15	165	42	662	"
10:20	145	35	581	"
		Changed to 1/2" at 10:23 a.m.		
10:25	135	65	414	"
10:30	145	59	383	"
10:35	135	51	342	"
10:41	125	39	279	"
10:47	115	28	222	"
		Changed to 3/8" Plate at 10:50 a.m.		
10:55	115	37	153	"
11:00	125	29	129	"
11:05	125	21	104	"
11:10	120	15	83	Clear
11:15	120 Shut in			
1:00 a.m.	200 Building at 40 psi/hr			
2:05	Swabbed 2 times came over and looked clean			
	1/2" plate			
2:15	200	90	307	
2:20	190	82	286	
2:30	150	67	247	No Mist
2:31		63	237	Hvy Mist
2:35	145	59	226	Mist
2:40	125	52	207	"
	Pulled 1/2" Plate			
3:00	115	Shut in		
3:15	125			
3:30	140			
3:45	165			
4:00	185			
	Opened well-lt blow			
4:10	Started in to swab at 4:10 P.M.			Fluid level at 5900'
4:30	200		800/-	Clean
4:42				Misty
4:45	175			"
5:00	150			"
5:15	115			"
5:20	110			"
5:30	115			"
5:45	100			"

Shut in at 5:45 p.m. 5-19-68

5-20-68

7:30 a.m.	925	250		Shut in since 5-19-68 5:45 p.m.
	Start in w/swab at 7:30 a.m.			
7:45	Fluid level 3900' - 1st swab run unloaded			
7:53	725		4,000	Misty w/slugs
8:00 a.m.	600	100		Misty
8:08	500	Shut in		Misty
8:23	500	Opened		Misty
8:35	400		2,000	Vy Misty
8:50	275			"
9:03	225			Misty--all water
9:15	175			" " "
9:30	150	1.5 Press Pitot	800	" " "
	Blew well until 11:30 a.m.			
	120			Clean
11:30	Shut in--released rig			
2:15 p.m.	Opened to air			
	425			
	Well unloaded--installed new tbg. valves			
4:30 p.m.	115	Well Clean	Shut in	
5:00	160	Left well shut in		

5-23-68

Tbg.-525 psi Csg.-1575 psi. Blew well. Would not unload

5-15-68 (con't)

Released RTTS and recovered bridge plug. Pulled up to 5970'. Could not set bridge plug. Pulled out and found RTTS rubber gone and corroded.

5-16-68

Ran bridge plug and RTTS. Set bridge plug at 5970' and RTTS at 5899". Acidized interval 5902'-5937' with 320 gal of HCl (15%) and 320 gal 9% H<sub>2</sub>O<sub>2</sub> / 6% HCl. Broke down formation at 3400 PSI with KCl water at 5.5 BPM and 3500 psi. Use 16 ball sealers each stage. No ball action on first stage. Good action on last stage. After each stage the pressure at surface declined to opsig in 1 minute. Breakdown pressure 3400 psi, max treating pressure 3500 psi. max. treating rate 5.5 BPM, min. 2 BPM. Started swabbing. Swab rate 6 bbl./run. Swab 14 times. Rec. 84 bbl/water and acid water. No blow. Released RTTS. Pull bridge plug and set at 5899' and RTTS at 5855'. Filled tubing with 15 bbl Pumped additional 7.6 bbl. at 2600 psi. Shut down. In 1 min press 0 psi. Communication with zone 5902-5937' Released RTTS. Rec bridge plug and set at 5952' and RTTS at 5848'. Acidized with 420 gal of HCl (15%) and 470 gal HF (9% HF / 5% HCl). Used 136 ball sealer (68 each job). Max press 3450 psi. Instant shut in 1250 psi. Displacing rate. 1st stage 6 BPM decreasing to 4 BPM. Displacing rate 2nd stage 5-3/4 BPM - 6 BPM stood shut in 25 min. Bled back 10 bbl. Started swabbing. Swabbed and flowed well 6 times. Recovered approx 50 bbl. 50 bbl. to recover. Shut in.

5-17-68

Tbg Press 1075 psi, csg press 50 psi. Bled to 0 psi in 10 min. Swabbed 5 times. Last 2 runs swabbing from 5500' recovered 1/2 bbl. Total recovery 17 bbl. Released RTTS and latched on to bridge plug. Recovered RTTS and bridge plug with approx. 55 ball sealers in bridge plug packer. Ran tubing.

<u>Jt. No.</u>	<u>Description</u>	<u>Length</u>
1	RBP Recovery tool.	1.99
204	2-3/8", 4.7#, J-55 EUE, 8rd. thd tubing	6373.09
1	2-3/8", 4.7#, J-55 EUE, 8rd. thd pup jt.	4.00
	TOTAL	6379.08
	Below K.B.	12.00
	LANDED DEPTH	6391.08

Removed Blooey line Tee and landed tubing. Swabbed until 7:00 P.M. All Water. Fluid level 3800'. Csg. press. 50 psi. Shut in tbg. and csg.

5-18-68

Tbg 50 psi, csg 500 psi. Removed BOE. Installed Xmas tree. Started swabbing. All water. Fluid level 1800". On 9th run--fluid at 4100'. Swabbing from 6000'. Swabbed 22 times with last run fluid level 4800'. Well came around at 6:00 p.m. Csg. press 500 psi at 6:20 p.m. 300 psi. Shut in. At 6:30 p.m. no increase in pressure. Left tbg and csg shut in.

5-19-68

Tbg - 75psi csg 720 psi. (Note tubing valves leaking slightly.) Bled off tbg. csg. press 750 psig. Started swabbing. Fluid level 4100'. Swabbed from 4600'. 2nd run fluid level 4500'. Swabbed from 6200'. Well came in at 9:00 A.M. Csg Press. 750 psig. Blew till 9:35 a.m. Csg press 350 psi. Installed orifice well tester with 1" plate. On flow at 9:40 Tester Press 80 psig--2030 MCFPD Csg Press 320 PSI.

OLD SQUAWS CROSSING UNIT NO. 1, Sec. 17 T 10S, R20E, Uintah County, Utah

5-6-68

12:30 p.m. Closed well in. Prod. Press. 560/600  
6:30 Csg. press 900 psig. Mosed in prod rig. Dug and blased holes for deadmen.

5-7-68

8:30 a.m. Csg. Press. 995 psig  
9:40 a.m. 1020 psi csg. -- START BLEED DOWN--  
10:35 a.m. Started unloading condensates  
10:45 a.m. Prod. press. 290/600 shut in to let crew install right front deadmen.  
1:20 p.m. Start bleeding again. 600 tbg/700 csg.  
3:00 p.m. 100/250 rate 700 MCFPD.  
5:00 p.m. 50/150.

5-8-68

8:25 a.m. 30/65--Hook up csg and blow down. Install BOE and Blooie Line.  
Pulled tbg. 203 joints. (6338.48')  
Left csg. open.

5-9-68

Start operations. Made up bit. and D.C. Measured in. Cleaned out to 6501.41' using gas for circulation. Pulled 1 std and shut down operations at 7:00 p.m. Hung bit at 6403'

5-10-68

Ran 3 singles (93'). Stopped at 6490'. Install string float at 6402'. Cleaned out to 6570'. Tried to install single 4 times. Hit fill at 6558'. Gas rate during circulation 2,200 MCF/D. Pulled bit into 7-5/8" casing at 6408'.

5-11-68

Ran to 6530'. No fill. Unloaded condensate for approx 8 min. Hit fill at 6557'. Cleaned out to 6757'. Stuck pipe. Circulated and worked pipe loose. Pulled into csg. at 6408'.

5-12-68

Pulled tbg., laid down D.C. and string float. Ran Halliburton Ret. Bridge Plug. Worked thru bad spot at 6200'-6214' and set Bridge plug at 6420' K.B. Ran McCullough G-R-Collar log 6421-4500'. Tested well--Rate before setting Bridge Plug 153 MCFPD after 101 MCFPD.

5-13-68

Ran McCullough Tubular jet gun and perforated 1 hole/2 ft. 6373-33, 6244-24, 6220-16, 6210-6193, 5937-02, 5897-60, 5834-28'. Ran Gas Rate test 11:56 a.m. to 1:15 p.m. stabilized at 194 MCFPD w/ Slight mist. Ran Halliburton Bridge Plug and Packer. Set Packer at 6384'. Check Gas rate to determine if Bridge Plug at 6420' was holding o.k. Set bridge plug at 6390'. Very wk. puff with 1/8" orifice. Pulled packer to 6300 and left well open.

5-14-68

Set packer at 6315' Rigged up Halliburton and acidized Zone 6333'-6373' with 410 gals of 15% HCl followed with 420 gals of 9% HF and 6% HCl. Displaced with 28 bbls. of KCl (20,000 ppm) water at maximum pressure of 3500 psi. Used 20 ball sealer each stage. Shut well in 30 min. between stages and at end of job.  
Start swabbing. Fluid level first run at 3,000'. Additional run 4,500-5,000. Made total of 19 runs. Recovered approx 75 bbl of Fluid. Released RTTS Packer. Ran in and retrieved No. 2 bridge plug at 6389' and reset at 6270'. Pulled up and hung RTTS at 6227'.  
Left well open.

5-15-68

Set RTTS at 6222'. Closed BOE. Rilled tbg with 20.6 bbl. Breakdown formation at 2,000 psig. Broke back to 100 psi. Acidized perforations 6224-6244' with 350 gal of 15% HCl and 350 gal of HF. Start HCl at 75 psi. Displaced with 26 bbl. KCl water at 8.4 BPM rate at 2700 psig. Instant shut in pressure 200 psi. Csg pressure 100 psig. Pump additional 15.8 bbl. to pressure up and release ball sealers. Could not pressure up. Shut down 1-1/2 hr. for water truck to reload and mix KCl. Acidized with 350 gal. of HF (9% HF and 6% HCl). Displaced with 26 bbl KCl water at 7-3/4 BPM and 2600 psig. Finish displacement in 5 min. Instant shut in 200 psig. Used 11 ball sealers for each stage. Csg. press 115 psig. Blew down annulus. Tubing on vacuum.  
Start swabbing. Fluid level 2500'.  
Swabbed approx 4 bbl/run. On 6 th run had acid water. Swabbed total of 17 times and recovered approx 70 bbl.



JUNIPER OIL & GAS COMPANY  
A DIVISION OF BUTTES GAS & OIL CO.  
420 C. A. JOHNSON BLDG.  
DENVER, COLORADO 80202

OIL & GAS COMPANY

SUITE 420, C. A. JOHNSON BUILDING, 509 SEVENTEENTH STREET, DENVER, COLORADO 80202

September 4, 1968

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

Dear Mr. Smith:

Enclosed are two copies of the Well Completion Report Form 9-330 for the Old Squaws Crossing Unit #1 located in Section 17, Township 10 South, Range 20 East, Uintah County, Utah. We are sorry for the delay in submitting this report but we were hoping to get a better initial potential for the gas flow rate for this well before sending it in. We have presently ordered a downhole separator to take care of the water that the well is producing so it will not stop the well from flowing. We expect to have this separator installed within the next ten days.

For the porous intervals in the Watsatch and Mesaverde sections, I have included the log calculations on an attachment. I have also included a summary of the operations from 5-6-68 through 8-15-68, which is actually the last time we attempted to produce the well. I believe you have all the previous information on the daily operations before we attempted completion in the zones behind the 7-5/8" casing.

Very truly yours,

Robert W. Peterson

RWP:cm  
Encls.

cc: Mr. C. B. Feight ✓  
Mr. Gilman Hill

C  
O  
P  
Y

8021 8 928

October 8, 1968

Buttes Gas & Oil Co.  
420 G. A. Johnson Building  
Denver, Colorado 80202

Re: Well No. Old Squaw's Crossing Unit  
#1, Sec. 17, T. 10 S., R. 20 E.,  
Uintah County, Utah.

Gentlemen:

This letter is to advise you that the Subsequent Report of Shooting or Acidizing and Multiple Completion and electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms OGC-1b and forward them to this office as soon as possible.

Thank you for your cooperation in this request.

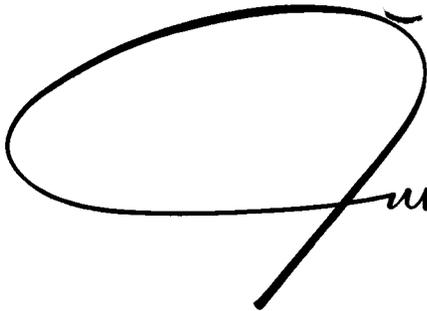
Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON  
RECORDS CLERK

sc

Enclosures: Forms OGC-1b



**OIL & GAS COMPANY**  
A DIVISION OF  
**BUTTES GAS & OIL CO.**

SUITE 420, C. A. JOHNSON BUILDING, 509 SEVENTEENTH STREET, DENVER, COLORADO 80202

October 21, 1968

Miss Sharon Cameron, Records Clerk  
State of Utah  
Division of Oil and Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

Dear Miss Cameron:

We are a bit confused by your letter of October 8 in which you ask that we file your form OGC-1b, Subsequent Report of Acidizing and Multiple Completions. We believe all of this information was contained in our Completion Report to the U. S. Geological Survey, a copy of which was sent to you. We were continuing to test this well from the date of first production through the date of final test, as reported on this form, of June 29, 1968. We are enclosing an extra copy of this form, together with its transmittal letter and the six-page summary of testing.

We are also enclosing, for your files, two copies of the following logs which were run on this well: Induction Electrical and Dual Induction Composite, Compensated Formation Density, Sidewall Neutron Porosity and Temperature logs.

Also enclosed, for your information, is a recent summary of production.

If this data does not fulfill your requirements, please let us know.

Sincerely,

John E. Wey

JEW:dwd

Enclosures

February 3, 1969

Buttes Gas & Oil Company  
420 C. A. Johnson Building  
Denver, Colorado 80202

Re: Well No. Old Squawa Crossing Unit  
#1, Sec. 17, T. 10 S, R. 30 E,  
Uintah County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report of Shooting or Acidizing and Multiple Completion for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms and forward them to this office as soon as possible.

Thank you for your cooperation with ~~me~~ respect to this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE  
SECRETARY

SD

Enclosures: Forms

THE STATE OF UTAH  
DIVISION OF OIL AND GAS CONSERVATION

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

5. LEASE DESIGNATION AND SERIAL NO.

Utah 013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

Old Squaws Crossing

8. FARM OR LEASE NAME

Old Squaws Crossing Unit

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec 17-10S-20E

12. COUNTY OR PARISH 18. STATE

Unitah

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Buttes Gas & Oil Co.

3. ADDRESS OF OPERATOR

420 C. A. Johnson Building, Denver, Colorado

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

1986<sup>o</sup> FNL, 1988<sup>o</sup> FWL Section 17, T10S-R20E

14. PERMIT NO.

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

5105<sup>o</sup> K.B.

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.)\*

T.D. 8897<sup>o</sup> PBD-6420<sup>o</sup>.

Halliburton Bridge Plug set at 6420<sup>o</sup>.

Perforated 1 hole/2 ft. 6373-6333<sup>o</sup>, 6244-6224<sup>o</sup>, 6200-6216<sup>o</sup>, 6210-6193<sup>o</sup>, 5937-5902<sup>o</sup>, 5897-5860<sup>o</sup>, 5834-5820<sup>o</sup>.

Acidized 6333-6373<sup>o</sup> - 410 gal. 15% HCl, 420 gal 5% HF

Acidized 6224-6244<sup>o</sup> - 350 gal. 15% HCl, 350 gal 5% HF

Acidized 5902-5937<sup>o</sup> - 320 gal. 15% HCl, 320 gal 5% HF

Acidized 5848-5952<sup>o</sup> - 420 gal. 15% HCl, 470 gal 5% HF

Ran 2 3/8" tubing to 6391<sup>o</sup>.

Swabbed well on prod. Producing to Mt. Fuel Supply Co. line.

Work completed 5/20/68.

U.S.G.S.

SEE/COMPLETION REPORT DATED 8/30/68 ATTACHED.

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

SIGNED

(This space for Federal or State office use)

TITLE

Engineer

DATE

3/10/69

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

5/2/69



**OIL & GAS COMPANY**  
A DIVISION OF  
**BUTTES GAS & OIL CO.**

SUITE 420, C. A. JOHNSON BUILDING, 509 SEVENTEENTH STREET, DENVER, COLORADO 80202

March 10, 1969

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

RE: Well No. Old Squaw's Crossing  
Unit #1  
Sec 17, T. 10S, R. 20E,  
Unitah County, Utah

ATTENTION: Scheree DeRose

Dear Miss DeRose:

Please refer to your letter of February 3, 1969 concerning the subject well. I am enclosing three copies of the Sundry Notice and Reports on Well regarding the subsequent shooting and acidizing.

I am attaching a copy of the completion report which shows the detailed operations. I believe this complies with your request in your letter.

Very truly yours,

John E. Wey

JEW/jcs  
Enclosures  
cc: U. S. G. S.



CALVIN L. RAMPTON  
Governor

OIL & GAS CONSERVATION BOARD

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

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

DELBERT M. DRAPER, JR.  
Chairman

CHARLES R. HENDERSON  
ROBERT R. NORMAN  
WALLACE D. YARDLEY  
WESLEY R. DICKERSON

1588 WEST NORTH TEMPLE  
SALT LAKE CITY, UTAH 84116  
328-5771

March 9, 1971

Buttes Gas & Oil Company  
1200 Denver Center Bldg.  
Denver Colorado, 80203

BUTTES-DENVER	
MAR 12 1971	
RWP	JEL
JEW	WJM
DPMcC	JGN
RDH	Re
KDJ	CH
DC	LER
PROD.	
ACCTG.	3
	CEY

Island Field Old Squaws Crossing  
Uintah County, Utah

Sales Reports for the months  
November and December 1970.

Gentlemen:

As of this date, we have not received your "Monthly Oil and Gas Conservation Levy Report" for the lease (s) and month (s) mentioned Above.

Under our General Rules and Regulations and also for statistical purposes, you are required to file with this office Form OGC-5 for each month. If no sales were made, you are still required to file a negative report.

Your prompt attention to this matter will be appreciated.

Respectfully yours,

DIVISION OF OIL AND GAS CONSERVATION

Christine Kendrick  
Assistant Statistician

OUR OFFICE WAS INFORMED SEVERAL MONTHS AGO THAT BUTTES GAS & OIL COMPANY INTEREST IN THIS PARTICULAR LEASE HAD BEEN SOLD AND WE NO LONGER WERE REQUIRED TO FILE REPORTS ON THIS PARTICULAR PROPERTY.

March 22, 1971

Buttes Gas & Oil Company  
1200 Denver Center Bldg.  
Denver, Colorado 80203

Re: Island Field, Old Squaw's  
Crossing  
Uintah County, Utah

Gentlemen:

On the bottom of a letter recently sent you requesting sales reports for the months of November and December, 1970, you indicated that your company had sold the above lease and was not required to file said reports.

Please be advised that according to our records, Buttes is still the operator and, therefore, should submit the necessary reports. However, if your company has sold this lease, you should have immediately sent written notification to this office giving the effective date of said sale.

It would be appreciated if you would inform this Division as to the present status of this lease.

Thank you for your cooperation with regard to the above.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE  
SUPERVISING STENOGRAPHER

:sd

PT

**BUTTES GAS & OIL CO.**

1200 THE DENVER CENTER BUILDING  
1776 LINCOLN STREET  
DENVER, COLORADO 80203

DENVER DIVISION  
(303) 892-8840

HOME OFFICE  
OAKLAND, CALIFORNIA

May 21, 1971

Mr. Gilman A. Hill  
Geologist  
6200 Plateau Drive  
Denver, Colorado

Re: Old Squaw's Crossing Unit #1  
Uintah County, Utah

Dear Gilman:

Attached is a copy of a letter we received from the State of Utah, Division of Oil & Gas Conservation. They are requesting reports on the Old Squaw's Crossing Unit No. 1.

Since we transferred ownership of this well to you in October, 1969, the reporting of the status and/or production from the subject well is your responsibility.

By copy of this letter I am informing the State of Utah of the change of ownership of the subject well.

Best regards,

John E. Wey

JEW/sd  
Attachment

cc: / State of Utah  
Oil & Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

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-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

Old Squaws Crossing

8. FARM OR LEASE NAME

Old Squaws Crossing Unit

9. WELL NO.

OSC No. 1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 17, T. 10 S., R. 20  
SLB&M

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
MAPCO Inc., Production Division

3. ADDRESS OF OPERATOR  
Suite 320 Plaza West 1537 Ave. D  
Billings, Montana 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface 1,986' FNL & 1,988' FWL

14. PERMIT NO.

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

5105 KB

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.)\*

Estimated starting date: August 15, 1978  
Work proposed;

- (1) Set permanent bridge plug above parted 7-5/8" casing at 6,204'.
- (2) Frac perms from 5,828' - 5,937' with 80,000 gals of gelled water and sand.
- (3) Place well on production

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

SIGNED James J. Benson

TITLE Reservoir and Production Engineer

DATE 8-11-78

(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.

**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

2. NAME OF OPERATOR  
MAPCO Inc., Production Division

3. ADDRESS OF OPERATOR  
Suite 320 Plaza West  
1537 Ave. D., Billings, Montana 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
1986' FNL & 1988'FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5105 KB

5. LEASE DESIGNATION AND SERIAL NO.  
U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Old Squaws Crossing

8. FARM OR LEASE NAME  
Old Squaws Crossing Unit

9. WELL NO.  
OSC No. 1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 17, T. 10 S., R. 20 E  
SLB & M

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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

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

REVISED AS REQUESTED, original Form 9-331 submitted 8-11-78.  
Starting date: 8-15-78

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING  
DATE: Sept. 26, 1978  
BY: Ph. Ince

- Proposed Work:
- MIRU workover unit. Install and Test BOP's.
  - Kill well with 2% KCl and salt water.
  - POOH with 2 3/8" tubing. RIH with casing scraper to 6050'±. POOH with casing scraper.
  - RIH with bridge plug, RTTS and 2 3/8" tubing. Set BP at 6050'±, pull up and land tubing at 5500'±. Install wellhead. Release WO unit.
  - Rig up Dowell, give Wasatch perms from 5828' - 5937' a MSR and N<sub>2</sub> acid clean up and breakdown. Flow well back overnight. Frac well with 80,000 gals of gelled water and sand.
  - Bring well back at low flow rates to the pit until well is cleaned up. Put well through 3 phase separation equipment to sell gas.

18. I hereby certify that the foregoing is true and correct  
SIGNED James J. Berne TITLE Reservoir and Production Engineer DATE 9-22-78

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved,  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

Old Squaws Crossing

8. FARM OR LEASE NAME

Old Squaws Crossing Unit

9. WELL NO.

OSC No. 1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 17, T. 10 S., R. 20 E  
SLB & M

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
MAPCO Inc., Production Division

3. ADDRESS OF OPERATOR  
Suite 320 Plaza West  
1537 Ave. D., Billings, Montana 59102

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

1986' FNL & 1988' FWL

14. PERMIT NO.

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

5105 KB

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.)\*

8-15-78 - Rigged up well service unit. Killed well with 2% KCl and salt water.

8-16-78 - POOH with 2 3/8" tubing.

8-17-78 - RIH with 7 5/8" casing scraper to 6136'±. POOH with csg. scraper. RIH with 7 5/8" easy drill bridge plug on tubing and set BP at 6050'±. POOH with tbg.

8-18-78 - TIH with 2 7/8" tubing and Baker R-3 packer, set packer at 5519' in compression with 26,000# over string wt. Installed 10,000# wellhead. Pressure checked wellhead to 5000#.

8-19-78 - Hooked up Dowell. Pressure checked surface lines to 5000#'s. Pumped 2000 gals of MSR acid and 48 ball sealers to break well down. Flowed well back to pit for 6 hrs. before well died.

8-21-78 - Swabbed well with wireline swab unit well made varying amounts of fluid and no gas.

(CONT. on reverse side)

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

SIGNED James J. Blum

TITLE

Reservoir and Production Engineer

DATE 9-22-78

(This space for Federal or State office use)

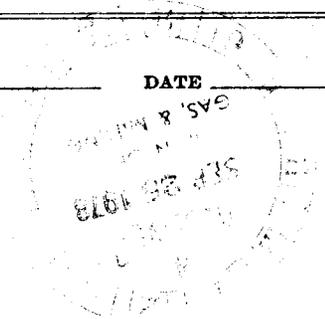
APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

**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 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

G.P.O. : 1973- 780-622 /VIII- 148

- 8-22-78 - Rigged up Dowell. Pressure tested lines, Fraced old Wasatch perms from 5828' - 5937' down 2 7/8" tubing with 104,000 gals. of gelled water and 130,000 # of 10-20 sand in 3 stages. Average treating rate was 20 BPM at 4800 psig. Max pressure was 6600 psig. Instant shut in pressure was 2900 psig.
- 8-23-78 - Ran static and flowing temp logs from 5600' to 5950'.
- 8-24-78 - Opened well to pit on 12/64" choke.
- 8-28-78 - Put well through portable test unit.
- 8-31-78 - Measured stabalized flow rate of 756,000 SCF of gas per day

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR **MAPCO PRODUCTION COMPANY**  
**Alpine Executive Center**

3. ADDRESS OF OPERATOR **1643 Lewis Ave., Suite 202**  
**Billings, MT 59102**

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: **1986' FNL & 1988' FWL, SE/4 NW/4**  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: **SAME**

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input checked="" type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE **U-013769-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME **River Bend Unit**

8. FARM OR LEASE NAME

9. WELL NO. **Old Squaws Crossing No. 1**

10. FIELD OR WILDCAT NAME **River Bend**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA **Section 17, T. 10 S., R. 20 E. SLB&M**

12. COUNTY OR PARISH **Uintah** 13. STATE **Utah**

14. API NO. **43-047-20308**

15. ELEVATIONS (SHOW DF, KDB, AND WD) **5105' KB**

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

Estimated Starting Date - Feb. 25, 1980.

- MIRU Workover unit.
- Install 1500 series BOP's (6" 5000 psig working press., 10,000 psig test.) BOP's are to be operated daily.
- Perforate Chapita Wells interval from 5509' to 5538' with eight shots.
- RIH with 2-3/8" tubing.
- RU treating company. Pressure test surface lines to ±6000 psig. Treat perms from 5509'-5538' with ±50,000# of 10-20 sand and ±30,000 gallons of gelled water. Treating pressure anticipated to be ±5000#.

CONTINUED ON BACK

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Richard Baumann TITLE Engineering Tech. DATE 1-8-80

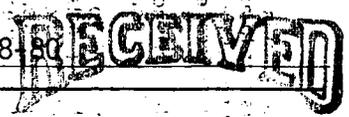
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 2-11-80

BY: M. Y. Minder



FEB 11 1980

DIVISION OF OIL, GAS & MINING

6. Flow well to pit to clean up frac fluid.
7. Test well through 3-phase production unit. If above completion attempt is unsuccessful proceed as follows:
  1. MIRU workover unit.
  2. Install 1500 series BOP's (6" 5000 psig working pressure, 10,000 psig test). BOP's to be operated daily.
  3. Set bridge plug at 3900'.
  4. Perforate the Green River interval from 2562'-3749' with 31 shots.
  5. RIH with 2-7/8" tubing.
  6. Zones will be selectively acidized with a total of 3100 gallons of acid in four stages with a packer and RBP. Prior to treating surface lines will be pressure tested to 5000 psig. Treating pressures are anticipated to be  $\pm$ 3500 psig.
  7. Flow well to pit to clean up spent acid and flush water.
  8. Test well through 3-phase production unit with Barton Meter.

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-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

MAPCO Inc., Production Division

3. ADDRESS OF OPERATOR Suite 320, Plaza West, 1537 Ave. D

Billings, Montana 59102

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

1986' FNL & 1988' FWL

7. UNIT AGREEMENT NAME

Old Squaws Crossing

8. FARM OR LEASE NAME

Old Squaws Crossing Unit

9. WELL NO.

OSC No. 1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 17, T. 10 S., R. 20

SLB&M

14. PERMIT NO.

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

5105 KB

12. COUNTY OR PARISH

Uintah

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 COMPLETION

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) Flowline

(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.)\*

Laid flowline as shown on attachment #1. For a description of the flowline please see attached cover letter to E. W. Gynn dated 2-27-79. Attachment 2E shows the location of wellhead with respect to the surface installations.

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

SIGNED

*James J. Seiner*

TITLE

Production and Reservoir

Engineer

DATE February 27, 1979

(This space for Federal or State office use)

APPROVED BY

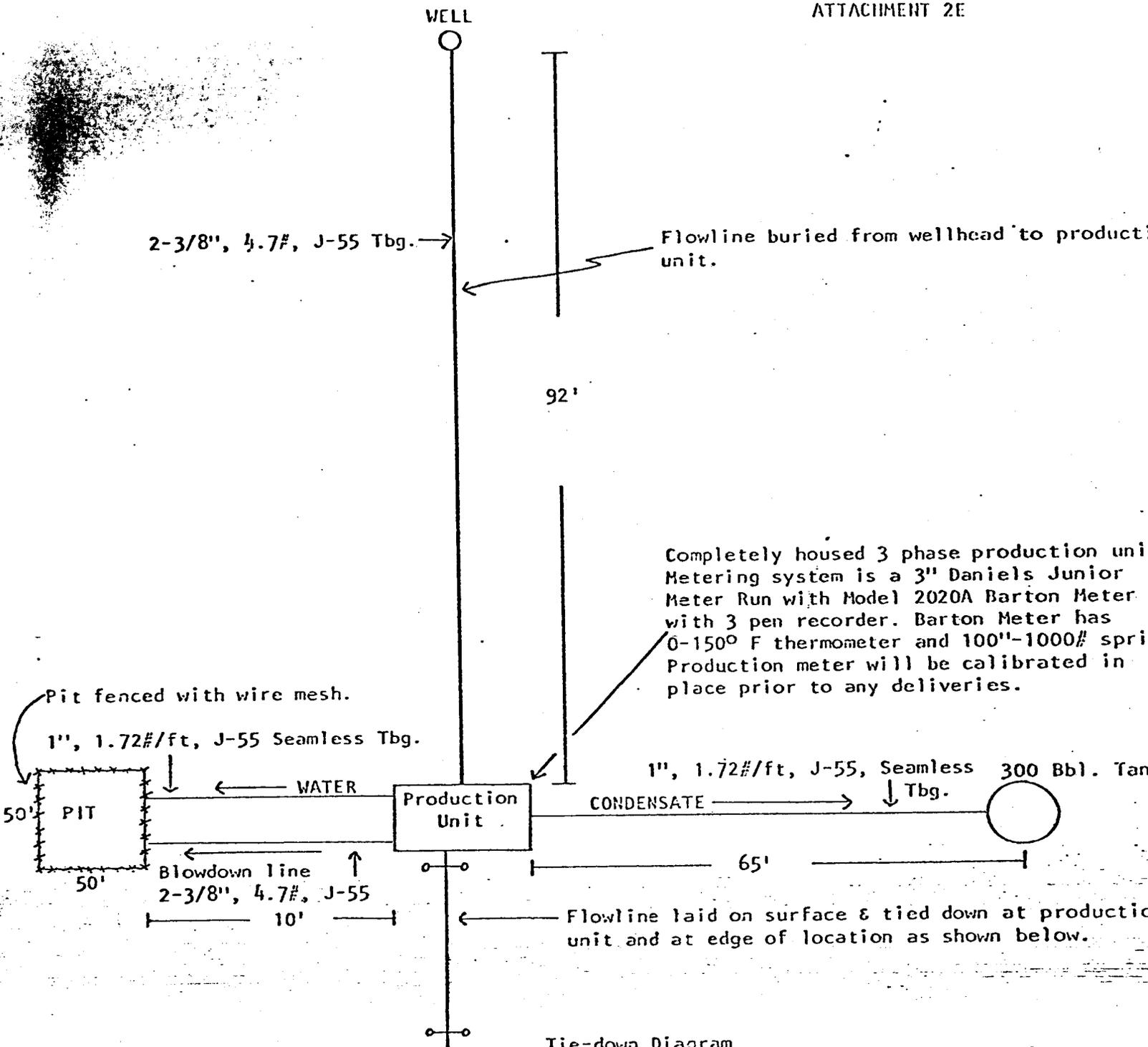
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

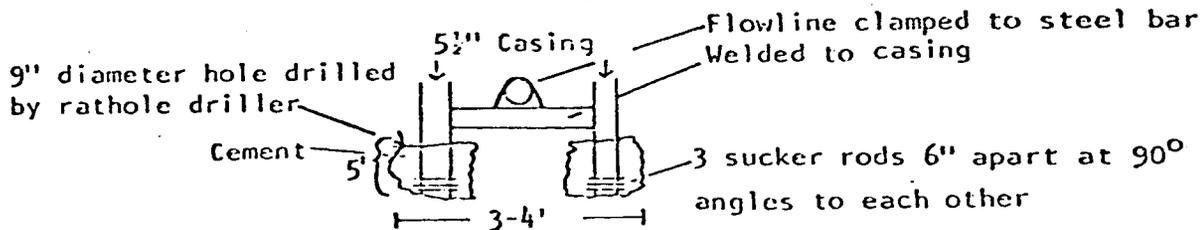
\*See Instructions on Reverse Side

ATTACHMENT 2E



Completely housed 3 phase production unit Metering system is a 3" Daniels Junior Meter Run with Model 2020A Barton Meter with 3 pen recorder. Barton Meter has 0-150° F thermometer and 100"-1000# spring. Production meter will be calibrated in place prior to any deliveries.

Tie-down Diagram



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLE COPY  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Old Squaws Crossing

8. FARM OR LEASE NAME

Old Squaws Crossing Unit

9. WELL NO.

OSC No. 1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 17, T. 10 S., R. 20  
SLB&M

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

MAPCO Inc., Production Division

3. ADDRESS OF OPERATOR

Suite 320, Plaza West, 1537 Ave. D

Billings, Montana 59102

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

1986' FNL & 1988' FWL

14. PERMIT NO.

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

5105 KB

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

Flowline

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 proposed that instead of burying the flowline 500' downstream from the production unit as requested that two (2) tie-downs as shown on attachment 2E be installed. This procedure would secure the flowline as well as prevent any unnecessary environmental disturbance.
- It is also proposed that MAPCO be permitted to wait until the weather is more favorable for digging before burying the flowline from the wellhead to the production unit.

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

SIGNED

*James J. Jensen*

TITLE

Production and Reservoir Engineer

DATE

February 27, 1979

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

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

SUBMIT IN DUPLIC

(See instructions on reverse side)

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

6

5. LEASE DESIGNATION AND SERIAL NO.

U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

OSC #1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 17, T10S, R20E

12. COUNTY OR PARISH

Uintah

13. STATE

Ut

14. PERMIT NO. DATE ISSUED

43-047-20308

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  
MAPCO Production Company  
Alpine Executive Center

3. ADDRESS OF OPERATOR  
1643 Lewis Ave., Suite 202  
Billings, Montana 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1986' FNL & 1988' FWL  
At top prod. interval reported below Same  
At total depth Same

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD  
5105' K.B.

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  
8897' 6441' Rotary

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  
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	32.74#	312'		280 sx	
7-5/8"	24# & 26.4#	6443'		1257 sx	

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
SEE ATTACHMENT	

33.\* PRODUCTION

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

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO  
5-29-80 1 10/64" → 0 0 3 GPM --

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)  
50 → 0 0 103 BPD

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

35. LIST OF ATTACHMENTS  
1 - Recompletion Record

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

SIGNED Richard Baumann TITLE Engineering Technician

DATE JUN 13 1980 DIVISION OF OIL, GAS & MINING

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

MAPCO PRODUCTION COMPANY  
OSC #1, UINTAH COUNTY, UTAH  
RECOMPLETION RECORD

Perforated the following intervals 1 spf, 23 gr., yielding a .42" hole:

5509'-5511'  
5534'-5538'  
3741'-3749' (5 holes)  
3333'-3338' (6 holes)  
3316'-3323' (8 holes)  
3285'-3288' (4 holes)  
3273'-3280' (8 holes)

2999'-3004' Green River C & B zones  
2925'-2931'  
2922'-2924'  
2910'-2919'

2594'-2597' Green River A zone  
2562'-2569'  
2557'-2558' Flowed 10 GPM water with 15 psi FTP.

The well is being considered for use as a water supply well for drilling and completion operations.

**RECEIVED**  
JUN 13 1980

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY  
Alpine Executive Center

3. ADDRESS OF OPERATOR 1643 Lewis Ave., Suite 202  
Billings, MT 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1986' FNL & 1988' FWL, SE/4 NW/4  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: SAME

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)			

5. LEASE U-013769-A	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME River Bend Unit	
8. FARM OR LEASE NAME	
9. WELL NO. Old Squaws Crossing No. 1	
10. FIELD OR WILDCAT NAME River Bend	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 17, T. 10 S., R. 20 E. SLB&M	
12. COUNTY OR PARISH Uintah	13. STATE Utah
14. API NO. 43-047-20308	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 5105' KB	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

SEE ENCLOSED COMPLETION REPORT

RECEIVED  
JUN 13 1980

DIVISION OF  
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

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

SIGNED Richard Baumann TITLE Engineering Tech. DATE 6-10-80  
Richard Baumann

(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**

**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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
MAPCO Production Company

3. ADDRESS OF OPERATOR  
1643 Lewis Ave., Ste. 202, Billings, MT 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1986' FNL & 1988' FWL  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE  
U-013769-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
River Bend Unit

8. FARM OR LEASE NAME

9. WELL NO.  
OSC #1

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 17, T. 10 S., R. 20 E.

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.  
43-047-20308

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5105'

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Conversion to water supply well		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

Set cement retainer at 5445'. Squeezed 120 sacks "G" cement into perms below retainer. Set CIBP at 3700'. Spotted 2 sacks cmt on top of BP. Installed Barton 1" Flowco meter. Well flowed 47 BWP.

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**

DATE: 7/21/81  
BY: [Signature]

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Richard Baumann TITLE Engineering Tech. DATE 6-22-81

(This space for Federal or State office use)

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

Federal Energy Regulatory Commission  
25 North Capitol Street, N.E.  
Washington, D.C. 20426

Docket No. UC 758-9

FINAL DETERMINATION BY THE OIL AND GAS SUPERVISOR UNDER THE NATURAL GAS POLICY ACT OF 1978 (NGPA)

This final category determination is set forth below pursuant to the provisions of the NGPA for certain Federal lease gas as requested in application received on 3-12-79 and filed by MAPCO Production Company

For the onshore:

For the OCS:

1800 South Baltimore Avenue  
Tulsa, OK. 74119

Well Name and No.: Old Squaws Crossing #1

Lease and Well No.: \_\_\_\_\_

Sec., T. and R.: Sec. 17, T10S, R20E

Block: \_\_\_\_\_

API No.: 43-047-20308

API No: \_\_\_\_\_

Reservoir: Wasatch and MesaVerde

Reservoir: \_\_\_\_\_

Lease No.: U-013769-C

Nearby State: \_\_\_\_\_

County and State: Uintah, UT

Category determination requested: Section 102(c)(1)(C)

Final category determination: Approved as requested \_\_\_\_\_ Negative determination

Remarks: THIS WELL WAS ORIGINALLY COMPLETED JUNE 29, 1968; AND PRODUCED APPROXIMATELY 29,000 MCF. THIS FACT INDICATES THIS WELL CAN AND DID PRODUCE COMMERCIALY BEFORE APRIL 20, 1977.

In accordance with the requirements of 18 CFR 274.104, the following information and reference materials will be submitted to the FERC with this final determination:\*

1. List of participants including the applicant and all parties submitting comments on the application.

MAPCO Production Company

2. A statement on any matter opposed.

3. A copy of the application. Also, a copy of any other materials in the record used in the determination together with any information inconsistent (or possibly inconsistent) with the determination, which includes:

4. All materials required under 18 CFR 274, Subpart B, and all other record materials (and portions of record materials) used in the determination process are enclosed.

5. An explanatory statement summarizing the basis for the determination is enclosed.

6. For a New Onshore Production Well determination involving 18 CFR 271.305(b) or (c), a finding as to the necessity of the well is enclosed.

A final jurisdictional agency determination is hereby made that the Federal lease natural gas referred to above ~~does~~ does not qualify as natural gas produced from a New Onshore Reservoir in accordance with the applicable provisions of the NGPA.

Any person may object to this final determination by filing a protest with the FERC within 15 days after this determination is published by the FERC in the Federal Register in accordance with 18 CFR Part 275.

Name: C. J. Curtis Title: Area Oil & Gas Supervisor  
NRMA

Signature: *R. M. Casey*

Date: 4-24-80 Phone number: (307) 265-5550 ext 5405 Address: P. O. Box 2859  
Casper, WY 82602

\*In the case of a negative determination, only a copy of the negative determination and a copy of Form FERC 121 will be forwarded to FERC. If the applicant or any aggrieved party so requests within 15 days of making such a determination, all information referenced in 1 through 6 will be forwarded within 20 days following the determination to the FERC in accordance with 18 CFR 274.102(b).

cc: Applicant  
Purchaser(s)  
NGPA File

Public Info. File  
Lease File  
Comments

Co-lessees  
New Reservoir  
State File ✓

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR **MAPCO PRODUCTION COMPANY  
Alpine Executive Center**

3. ADDRESS OF OPERATOR **1643 Lewis Ave., Suite 202  
Billings, MT 59102**

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: **1986' FNL & 1988' FWL, SE/4 NW/4**  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: **SAME**

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE  
**U-013769-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**River Bend Unit**

8. FARM OR LEASE NAME

9. WELL NO.  
**Old Squaws Crossing No. 1**

10. FIELD OR WILDCAT NAME  
**River Bend**

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
**Section 17,  
T. 10 S., R. 20 E., SLB&M**

12. COUNTY OR PARISH  
**Uintah**

13. STATE  
**Utah**

14. API NO.  
**43-047-20308**

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
**5105' KB**

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

Please find enclosed the water analysis of the OSC #1 water supply well.

**RECEIVED**  
JUL 03 1981

DIVISION OF  
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct  
SIGNED Richard Bauman TITLE Engr. Tech. DATE 7-1-81

(This space for Federal or State office use)

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



# LITE RESEARCH LABORATORIES *gpc*

P. O. Box 266

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER W-9624  
 SAMPLE TAKEN 5-28-80  
 SAMPLE RECEIVED 5-29-80  
 RESULTS REPORTED 6-4-80

SAMPLE DESCRIPTION \_\_\_\_\_ FIELD NO. \_\_\_\_\_  
 COMPANY MAPCO INC. LEASE \_\_\_\_\_ WELL NO. OSC#1  
 FIELD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_  
 SAMPLE TAKEN FROM #3 2922 - 2931 2999 - 3004 Same well different location  
 PRODUCING FORMATION \_\_\_\_\_ TOP \_\_\_\_\_  
 REMARKS \_\_\_\_\_

SAMPLE TAKEN BY Mitchell Hall

## CHEMICAL AND PHYSICAL PROPERTIES

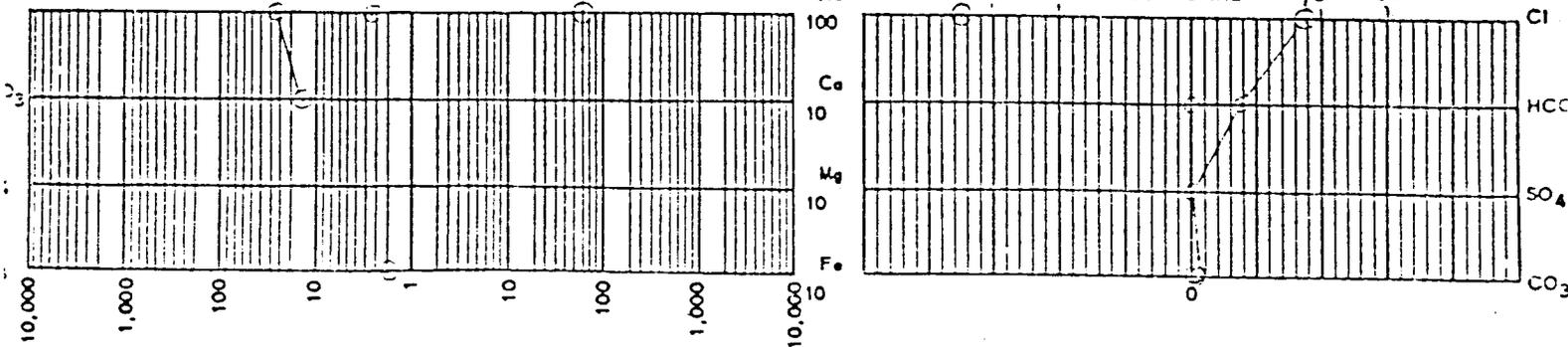
SPECIFIC GRAVITY @60/60° F. 1.0038 pH 8.74 RES. 1.87 OHM METERS @ 77°F

TOTAL HARDNESS 12.2 mg/L as CaCO<sub>3</sub> TOTAL ALKALINITY 1,640 mg/L as CaCO<sub>3</sub>

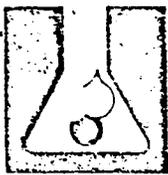
CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca + +	2.4	.12		
MAGNESIUM - Mg + +	0.5	.04		
SODIUM - Na +	1600	69.57		
BARIUM (INCL. STRONTIUM) - Ba + +	.0	.00		
TOTAL IRON - Fe + + AND Fe + + +	2.3	.08	69.81	
BICARBONATE - HCO <sub>3</sub> <sup>-</sup>	939	15.40		
CARBONATE - CO <sub>3</sub> <sup>--</sup>	60	2.00		
SULFATE - SO <sub>4</sub> <sup>--</sup>	26.5	.55		
CHLORIDE - CL -	1,250	35.25	53.20	
TOTAL DISSOLVED SOLIDS	3,640.0			

MILLEQUIVALENTS PER LITER

LOGARITHMIC



ANALYST \_\_\_\_\_



JUN 9 1980

# LITE RESEARCH LABORATORIES

P. O. Box 266

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER W-9625  
 SAMPLE TAKEN 5-29-80  
 SAMPLE RECEIVED 5-29-80  
 RESULTS REPORTED 6-4-80

SAMPLE DESCRIPTION \_\_\_\_\_ FIELD NO. \_\_\_\_\_  
 COMPANY MAPCO INC. LEASE \_\_\_\_\_ WELL NO. OSC #1  
 FIELD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_  
 SAMPLE TAKEN FROM #4 Same well different locations 2557 - 2558 2562 - 2569  
 PRODUCING FORMATION GREENRIVER TOP 2594 - 2957  
 REMARKS \_\_\_\_\_

submitted  
 SAMPLE TAKEN BY Mitchell Hall

## CHEMICAL AND PHYSICAL PROPERTIES

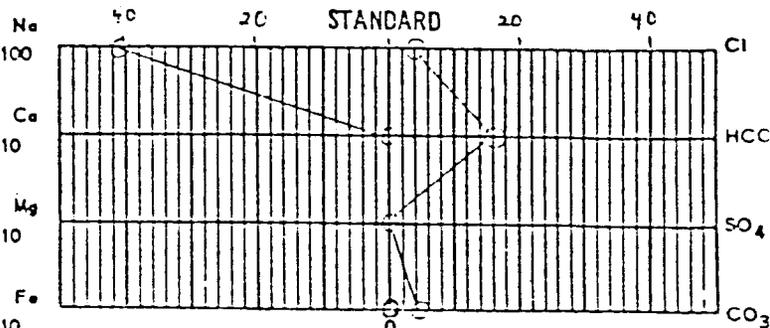
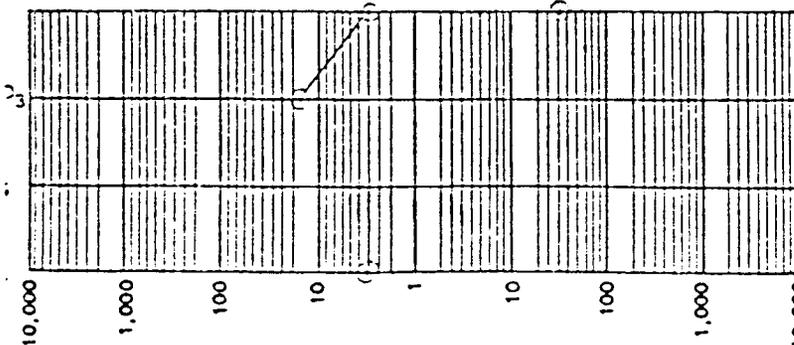
SPECIFIC GRAVITY @60/60° F. 1.0007 pH 8.94 RES. 3.32 OHM METERS @ 77° F

TOTAL HARDNESS \_\_\_\_\_ mg/L as CaCO<sub>3</sub> TOTAL ALKALINITY 1,820 mg/L as CaCO<sub>3</sub>

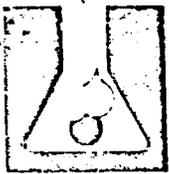
CONSTITUENT	MILLIGRAMS PER LITER mg/L.	MILLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca ++	1.4	.07		
MAGNESIUM - Mg ++	0.2	.02		
SODIUM - Na +	935	40.65		
BARIUM (INCL. STRONTIUM) - Ba ++	.4	.01		
TOTAL IRON - Fe ++ AND Fe +++	1.4	.05	40.79	
BICARBONATE - HCO <sub>3</sub> <sup>-</sup>	982	16.10		
CARBONATE - CO <sub>3</sub> <sup>--</sup>	126	4.20		
SULFATE - SO <sub>4</sub> <sup>--</sup>	1.5	.03		
CHLORIDE - CL <sup>-</sup>	140	3.95	24.28	
TOTAL DISSOLVED SOLIDS	2,280.0			

←----- MILLEQUIVALENTS PER LITER -----→

LOGARITHMIC



ANALYST \_\_\_\_\_



# LITE RESEARCH LABORATORIES

P. O. Box 266

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER W-9553  
 SAMPLE TAKEN 5-23-80  
 SAMPLE RECEIVED 5-26-80  
 RESULTS REPORTED 6-4-80

SAMPLE DESCRIPTION \_\_\_\_\_ FIELD NO. OLD SQUAW  
 COMPANY MAPCO INC. LEASE \_\_\_\_\_ WELL NO. #1  
 FIELD RIVERBEND COUNTY UINTAH STATE UTAH  
 SAMPLE TAKEN FROM #2 GR 3273 - 3280 3285 - 3288 18 Ho 3316 - 3338  
 PRODUCING FORMATION GREENRIVER TOP \_\_\_\_\_  
 REMARKS \_\_\_\_\_

#2

submitted  
 SAMPLE TAKEN BY Mitchell Hall

## CHEMICAL AND PHYSICAL PROPERTIES

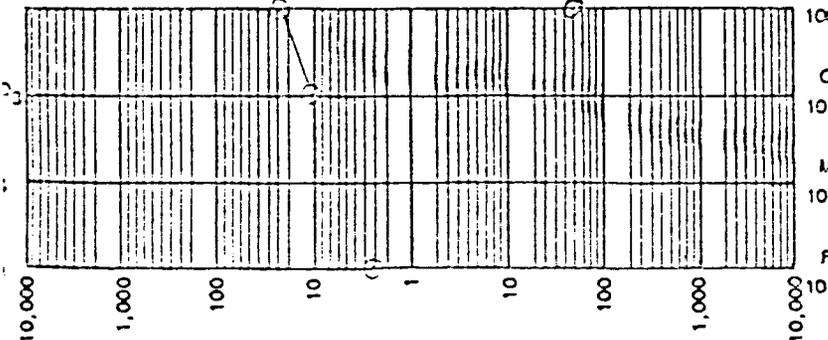
SPECIFIC GRAVITY @60/60° F. 1.0026 pH 8.96 RES. 2.25 OHM METERS @ 77° F

TOTAL HARDNESS 12.3 mg/L as CaCO<sub>3</sub> TOTAL ALKALINITY 1,292 mg/L as CaCO<sub>3</sub>

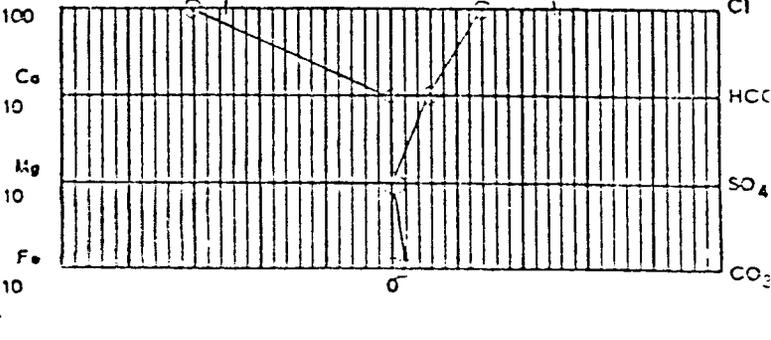
CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca ++	3	.15		
MAGNESIUM - Mg ++	0.6	.05		
SODIUM - Na +	1400	60.87		
BARIUM (INCL. STRONTIUM) - Ba ++	2	.03		
TOTAL IRON - Fe ++ AND Fe +++	1.3	.05	61.14	
BICARBONATE - HCO <sub>3</sub> <sup>-</sup>	689	11.30		
CARBONATE - CO <sub>3</sub> <sup>--</sup>	97.2	3.24		
SULFATE - SO <sub>4</sub> <sup>--</sup>	23.5	.49		
CHLORIDE - CL -	1000	28.20	42.23	
TOTAL DISSOLVED SOLIDS	3,280.0			

MILLEQUIVALENTS PER LITER

LOGARITHMIC



STANDARD

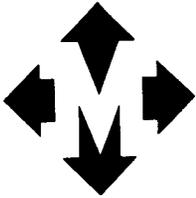


ANALYST \_\_\_\_\_

RECEIVED

MAY 29 1984

DIVISION OF OIL  
GAS & MINING



**MAPCO**

**PRODUCTION COMPANY**

May 25, 1984

State of Utah Natural Resources  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attention: Mr. Norman C. Stout

Reference: State of Utah  
Producing Property Questionnaire

Gentlemen:

Please find enclosed a "Producing Property Questionnaire" on all the wells you requested in your letter dated May 18, 1984. The only well not inclusive in this transmittal is the Old Squaws Crossing #1, API Number 43-047-20308. The reason for not submitting this well is due to the fact that it is now a water supply well and not a producing property.

Should additional information be required or if you have any question, please advise.

Very truly yours,

Tamara Jeanne Brown  
Production Technician

/tjb



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

RECEIVED

NOV 01 1985

DIVISION OF OIL  
GAS & MINING

IN REPLY  
REFER TO:

3100  
U-8020

MIN DIST-PROD DE

OCT 24 1985

October 22, 1985

Jack H. White  
District Drilling Superintendent  
Santa Fe Energy Company  
1616 Glenarm, Suite 2600  
Denver, CO 80202

Re: Drilling Water  
BLM State Application No. A36397  
Squaw Crossing No. 1 Water Well  
Section 17, T10S, R20E  
Uintah County, Utah

Mr. White:

We have been contacted by a Dalbo representative on obtaining water from the referenced location for the purpose of drilling the Hill Creek 1-27 location in Section 27, T10S, R20E, during the period from November 1 through November 30.

Our staff has reviewed and recommended approval of the request for the action proposed. We require that all water trucks use existing access and take the necessary steps to protect the existing environment. No disposal of fluids are authorized into the respective ponds at the referenced water well location.

We appreciate your cooperation, and should you have any further questions, please contact Mr. Brad Palmer at this office (801) 789-1362.

Sincerely,

David W. Moore  
Acting Area Manager  
Bookcliffs Resource Area

cc: Utah State Division of Water Rights

Dominion Exploration & Production, Inc.  
1450 Poydras Street, New Orleans, LA 70112-6000  
Phone: 504-593-7000



June 27, 2000

Mr. Jimmy Thompson  
Utah Board of Oil Gas & Mining  
1594 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

RE: Name Change Documentation for CNG Producing Company

Dear Mr. Thompson:

CNG Producing Company has become Dominion Exploration & Production, Inc. effective April 12, 2000. Enclosed please find a sundry regarding the name change with an attached listing of all the permits in the name of CNG Producing Company to be changed to Dominion Exploration & Production, Inc. Also enclosed please find a Form UIC 5 for the Transfer of Authority to Inject for the Federal #1-26B well.

If you have any questions or require any additional information, please contact me at (504) 593-7260.

Sincerely,

DOMINION EXPLORATION & PRODUCTION, INC.

A handwritten signature in cursive script that reads "Susan H. Sachitana".

Susan H. Sachitana  
Regulatory Reports Administrator

Enclosure

cc: Nelda Decker

**RECEIVED**

**JUN 29 2000**

**DIVISION OF  
OIL, GAS AND MINING**

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

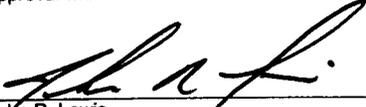
Do not use this form for proposals to drill new wells, deepen existing wells or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well : OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: VARIOUS
2. Name of Operator: DOMINION EXPLORATION & PRODUCTION, INC.	6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: 1460 Poydras Street, New Orleans, LA 70112-6000 (504) 593-7260	7. Unit Agreement Name:
4. Location of Well Footages: QQ, Sec. T., R., M.:	8. Well Name and Number: VARIOUS
	9. API Well Number
	10. Field and Pool, or Wildcat: Natural Buttes 630
	County: UINTAH State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
NOTICE OF INTENT (SUBMIT IN DUPLICATE)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____  Approximate date work will start _____	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off  <input checked="" type="checkbox"/> Other <u>OPERATOR NAME CHANGE FOR WELLS</u> Date of work completion _____  <small>Report results of Multiple Completion and Recompletion to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</small>  <small>*Must be accompanied by a cement verification report.</small>

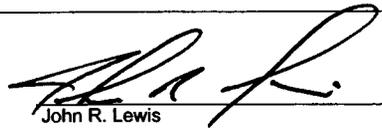
12. DESCRIBE PROPOSED OR COMPLETION OPERATIONS (Clearly State all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that effective April 12, 2000, CNG Producing Company has changed its name to Dominion Exploration & Production, Inc. and would like to transfer the well permits into the name of Dominion Exploration & Production, Inc. Our new bond has been filed and is pending approval with the State of Utah. The bond number is 76S 63050 361.

  
 John R. Lewis  
 Sr. Vice-President - CNG Producing Company

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 JUN 29 2000  
 DIVISION OF  
 OIL, GAS AND MINING

13.

Name & Signature:  Title: Sr. Vice-President - Dominion Expl. & Prod., Inc. Date: June 26, 2000  
 John R. Lewis

(This space for State use only)



State of Utah
DEPARTMENT OF COMMERCE
Division of Corporations & Commercial Code

552814
CO 106990
File Number

Table with 2 columns: Check Appropriate Box, Fee Amount. Rows include Foreign Profit Corporation (\$35.00), Foreign Non-Profit Corporation (\$35.00), Foreign Limited Partnership (\$25.00), Foreign Limited Liability Company (\$35.00).

Application To Amend The
CERTIFICATE OF AUTHORITY OR
REGISTRATION of

CNG Producing Company
Business Entity Name

Delaware
Name of Home State

I. AMENDING THE BUSINESS NAME

The business name is changed to: Dominion Exploration & Production, Inc.
The corporation shall use as its name in Utah: Dominion Exploration & Production, Inc.

NOTE: If the business name has changed its name in the home state, a copy of the Certificate of Amendment or a certified copy of the amendment must accompany this application.

Check the following:

- [X] The name of the corporation is changing its name in Utah to the new name of the corporation in the home state.
[] The name of the corporation is being changed in Utah to comply with Utah State Insurance Regulations.

II. AMENDING THE DURATION OF THE BUSINESS EXISTENCE

The businesses period of duration is changed to:

III. AMENDING THE STATE OR COUNTRY OF INCORPORATION/REGISTRATION

The corporation's state or country of incorporation/registration is changed to:

IV. Other:
(Limited Partnership changing General Partners, Limited Companies changing Members or Managers, Change of statement who is managing, etc.)
Use an attached sheet if needed.

Under penalties of perjury, I declare this Application to Amend the Certificate of Authority or Registration to be, to the best of my knowledge and belief, true and correct.

Signature: [Handwritten Signature] Title: Vice President & Corporate Secretary Date: April 20 2000

STATE OF UTAH
DIVISION OF CORPORATIONS
AND COMMERCIAL CODE
160 East 300 South / Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Web Site: http://www.commerce.state.ut.us

FILED

State of Utah
Department of Commerce
Division of Corporations and Commercial Code

I hereby certify that the foregoing has been filed and approved on this 25 day of April 2000 in the office of this Division and hereby issue this Certificate thereof.

Examiner: [Signature] Date: 4/20/00



W. JENSON

Date: 04/25/2000
Receipt Number: 22156
Amount Paid: \$60.00

APR 25 2000

Well Name	Api Well Code	Operator Name	Production Status	Lease Type
EVANS FEDERAL #32-25	4304732406	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-25B	4304732445	DOMINION EXPLORATION & PR	LA	BLM
RBU #5-25B	4304732453	DOMINION EXPLORATION & PR	LA	BLM
RBU #11-25B	4304732482	DOMINION EXPLORATION & PR	LA	BLM
RBU #16-14EO	4304732507	DOMINION EXPLORATION & PR	LA	BLM
RBU #8-23EO	4304732508	DOMINION EXPLORATION & PR	LA	BLM
RBU #8-14EO	4304732514	DOMINION EXPLORATION & PR	LA	BLM
RBU #15-13EO	4304732599	DOMINION EXPLORATION & PR	LA	BLM
RBU #9-23EO	4304732601	DOMINION EXPLORATION & PR	LA	BLM
<del>STATE #2-36E</del>	<del>4304732979</del>	<del>DOMINION EXPLORATION &amp; PR</del>	PR	STATE
STATE #2-36E	4304732979	DOMINION EXPLORATION & PR	PR	STATE
STATE #1-36E	4304733181	DOMINION EXPLORATION & PR	PR	STATE
RBU #1-16F	4304733360	DOMINION EXPLORATION & PR	DR	STATE
RBU #5-3F	4304733361	DOMINION EXPLORATION & PR	FUT	BLM
RBU #5-16F	4304733363	DOMINION EXPLORATION & PR	PR	BLM
RBU #10-23F	4304733367	DOMINION EXPLORATION & PR	DR	BLM
EVANS FEDERAL #15-26E	4304733508	DOMINION EXPLORATION & PR	FUT	BLM
EVANS FEDERAL #9-26E	4304733509	DOMINION EXPLORATION & PR	FUT	BLM
EVANS FEDERAL #10-25E	4304733510	DOMINION EXPLORATION & PR	FUT	BLM
EVANS FEDERAL #14-25E	4304733511	DOMINION EXPLORATION & PR	FUT	BLM
FEDERAL #13-30B	4304733581	DOMINION EXPLORATION & PR	FUT	BLM
STATE #13-36A	4304733598	DOMINION EXPLORATION & PR	FUT	STATE
RBU #1-1D	4304733599	DOMINION EXPLORATION & PR	FUT	BLM
OSC #1-17 *	430472030800S1	DOMINION EXPLORATION & PR	SIEC	BLM
OSC #2 *	430473008700S1	DOMINION EXPLORATION & PR	PR	BLM
OSC #4 *	430473011300S1	DOMINION EXPLORATION & PR	TA	BLM
OSC #4A-30 *	430473012200S1	DOMINION EXPLORATION & PR	SIEC	BLM
OSC #7-15E *	430473021100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-16E	430473026000S1	DOMINION EXPLORATION & PR	PR	STATE
RBU #11-18F	430473026600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-13E	430473037400S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-15F	430473037500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #7-21F	430473037600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-19F	430473040500S1	DOMINION EXPLORATION & PR	PR	BLM
FEDERAL #7-25B	430473040600S01	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-10E	430473040800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #5-11D	430473040900S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-14E	430473041000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-23E	430473041100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-16F	430473041200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-17F	430473058400S1	DOMINION EXPLORATION & PR	PA	BLM
RBU #7-11F	430473058500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #8-16D	4304730608	DOMINION EXPLORATION & PR	PA	STATE
FEDERAL #7-25A	430473062400S01	DOMINION EXPLORATION & PR	PA	BLM
RBU #11-3F	430473068900S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-22E	430473069800S1	DOMINION EXPLORATION & PR	PA	BLM
RBU #4-11D	430473071800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #16-23F	4304730719	DOMINION EXPLORATION & PR	PA	BLM
RBU #7-3E	430473072000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-24E	430473075900S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-2F	430473076000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #7-10F	430473076100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #6-20F	430473076200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #7-22F	430473076800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #8-14F	430473082500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #2-11D	430473082600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #16-3F	430473088700S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-15E	430473091500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-14E	430473092600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-22E	430473092700S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-23E	430473097000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #4-19F	430473097100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #13-11F	430473097300S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-10E	430473104600S1	DOMINION EXPLORATION & PR	PR	BLM

APGW

BLM

BLM

BLM

BLM

BLM

BIA

Well Name	Api Well Code	Operator Name	Production Status	Lease Type
AMY THORPE - USA 1	4303731283	DOMINION EXPLORATION & PR	LA	BLM
KENNETH TAYLOR - USA 1	4303731284	DOMINION EXPLORATION & PR	LA	BLM
TRUDI FED 2-17	4303731453	DOMINION EXPLORATION & PR	PA	BLM
MAJOR MARTIN FED 1	4303731479	DOMINION EXPLORATION & PR	PA	BLM
OSC #3 *	4304730104	DOMINION EXPLORATION & PR	PA	BLM
OSC #5-2 *	4304730129	DOMINION EXPLORATION & PR	PR	STATE
NATURAL #1-2	4304730153	DOMINION EXPLORATION & PR	PA	BLM
RBU #11-21E	4304730414	DOMINION EXPLORATION & PR	PA	BLM
RBU #11-36B	4304730583	DOMINION EXPLORATION & PR	DA	STATE
FEDERAL #1-26A	4304730716	DOMINION EXPLORATION & PR	PA	BLM
FEDERAL #6-30B	4304730733	DOMINION EXPLORATION & PR	PA	BLM
BARTON FEDERAL #1-26	4304731179	DOMINION EXPLORATION & PR	PR	BLM
RBU #6-2D	4304731190	DOMINION EXPLORATION & PR	PR	STATE
RBU #16-2D	4304731353	DOMINION EXPLORATION & PR	PR	STATE
HILL CREEK FEDERAL #1-29	4304731522	DOMINION EXPLORATION & PR	PR	BLM
RBU #10X-15E	4304731551	DOMINION EXPLORATION & PR	PA	BLM
HILL CREEK STATE #1-32	4304731560	DOMINION EXPLORATION & PR	UNK	STATE
HILL CREEK FEDERAL #1-27	4304731675	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-31B	4304731765	DOMINION EXPLORATION & PR	LA	BLM
STATE #4-36E	4304731777	DOMINION EXPLORATION & PR	PR	STATE
SADDLE TREE DRAW 4-31	4304731780	DOMINION EXPLORATION & PR	LA	BLM
SADDLE TREE DRAW 16-31	4304731781	DOMINION EXPLORATION & PR	LA	BLM
SADDLE TREE DRAW 13-34	4304731782	DOMINION EXPLORATION & PR	LA	BLM
STATE #12-36E	4304731784	DOMINION EXPLORATION & PR	LA	BLM
RBU #3-10D	4304731832	DOMINION EXPLORATION & PR	PA	BLM
RBU #16-19C	4304731841	DOMINION EXPLORATION & PR	DA	BLM
EVANS FEDERAL #3-25	4304731878	DOMINION EXPLORATION & PR	PR	BLM
EVANS FEDERAL #41-26	4304731879	DOMINION EXPLORATION & PR	PR	BLM
STATE #11-36E	4304732019	DOMINION EXPLORATION & PR	PR	BLM
RBU #7-13E	4304732051	DOMINION EXPLORATION & PR	LA	BLM
RBU #7-18F	4304732104	DOMINION EXPLORATION & PR	LA	BLM
RBU #15-15F	4304732109	DOMINION EXPLORATION & PR	LA	BIA
RBU #7-15F	4304732111	DOMINION EXPLORATION & PR	LA	BIA
RBU #7-23E	4304732125	DOMINION EXPLORATION & PR	LA	BLM
RBU #6-19F	4304732126	DOMINION EXPLORATION & PR	LA	BLM
RBU #3-17F	4304732127	DOMINION EXPLORATION & PR	LA	BLM
RBU #15-10E	4304732139	DOMINION EXPLORATION & PR	LA	BLM
RBU #3-15F	4304732140	DOMINION EXPLORATION & PR	LA	BLM
RBU #3-3E	4304732152	DOMINION EXPLORATION & PR	LA	BLM
RBU #5-24E	4304732154	DOMINION EXPLORATION & PR	LA	BLM
RBU #5-17F	4304732165	DOMINION EXPLORATION & PR	LA	BLM
RBU #15-13E	4304732167	DOMINION EXPLORATION & PR	LA	BLM
RBU #3-19FX	4304732216	DOMINION EXPLORATION & PR	LA	BLM
STATE 2-32B	4304732221	DOMINION EXPLORATION & PR	PR	BLM
STATE #5-36B	4304732224	DOMINION EXPLORATION & PR	PR	BLM
FEDERAL #13-26B	4304732237	DOMINION EXPLORATION & PR	PR	BLM
STATE #9-36B	4304732249	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-21F	4304732262	DOMINION EXPLORATION & PR	LA	BLM
RBU #4-15F	4304732269	DOMINION EXPLORATION & PR	PA	BIA
RBU #1-3E	4304732272	DOMINION EXPLORATION & PR	LA	BLM
RBU #16-9E	4304732273	DOMINION EXPLORATION & PR	LA	BLM
RBU #3-10E	4304732291	DOMINION EXPLORATION & PR	PA	BLM
RBU #7-23E	4304732294	DOMINION EXPLORATION & PR	LA	BLM
RBU #13-19F2	4304732311	DOMINION EXPLORATION & PR	LA	BLM
RBU #12-2F	4304732316	DOMINION EXPLORATION & PR	LA	BLM
RBU #7-20E	4304732332	DOMINION EXPLORATION & PR	LA	BLM
RBU #13-34B	4304732334	DOMINION EXPLORATION & PR	PA	BLM
RBU #9-20E	4304732335	DOMINION EXPLORATION & PR	LA	BLM
RBU #7-19F	4304732360	DOMINION EXPLORATION & PR	LA	BLM
RBU #13-23F	4304732361	DOMINION EXPLORATION & PR	LA	BLM
EVANS FEDERAL #12-25A	4304732394	DOMINION EXPLORATION & PR	PR	BLM
EVANS FEDERAL #32-26	4304732395	DOMINION EXPLORATION & PR	PR	BLM
STATE #2-36E	4304732404	DOMINION EXPLORATION & PR	LA	BLM
STATE #9-36E	4304732405	DOMINION EXPLORATION & PR	LA	BLM

**RECEIVED**

JUN 29 2000

DIVISION OF



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

In Reply Refer To:  
3100  
U-01470-A et al  
(UT-932)

JUN 2 2000

### NOTICE

Dominion Exploration & Production, Inc. : Oil and Gas Leases  
1450 Poydras Street :  
New Orleans, LA 70112-6000 :

#### Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of CNG Producing Company to Dominion Exploration & Production, Inc. on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from your list of leases and a list of leases obtained from our automated records system. We have not abstracted the lease files to determine if the entity affected by the name change holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

The following lease on your list is closed on the records of this office: U-029277.

Due to the name change, the name of the principal on the bond is required to be changed from CNG Producing Company to Dominion Exploration & Production, Inc. on Bond No. 524 7050 (BLM Bond No. WY1898). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to the Wyoming State Office.

**/s/ Robert Lopez**

Robert Lopez  
Chief, Branch of  
Minerals Adjudication

Enclosure  
Exhibit of Leases

**RECEIVED**

JUN 05 2000

DIVISION OF  
OIL, GAS AND MINERAL

cc: Wyoming State Office  
New Mexico State Office  
Moab Field Office  
Vernal Field Office  
MMS-Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114-5801  
Irene Anderson (UT-932)  
Teresa Thompson (UT-931)  
LaVerne Steah (UT-942)

**OPERATOR CHANGE WORKSHEET**

	4-KAS ✓
2-CDW ✓	5- <del>SP</del> ✓
3-JLT	6-FILE

Check each listed item when completed. Write N/A if item is not applicable.

Change of Operator (Well Sold)                      Designation of Agent  
**X Operator Name Change Only**                              Merger

The operator of the well(s) listed below has changed, **effective:** 4-12-00

**TO:**(New Operator) DOMINION EXPL & PROD INC.  
 Address: 1450 POYDRAS STREET  
NEW ORLEANS, LA 70112-6000  
 Phone: 1-(504)-593-7000  
 Account No. N1095

**FROM:**(Old Operator) CNG PRODUCING COMPANY  
 Address: 1450 POYDRAS STREET  
NEW ORLEANS, LA 70112-6000  
 Phone: 1-(504)-593-7000  
 Account No. N0605

WELL(S):	CA Nos.	or	Unit					
Name: <u>OLD SQUAWS CROSSING 1-17</u>	API: <u>43-047-20308</u>	Entity: <u>99998</u>	S <u>17</u>	T <u>10S</u>	R <u>20E</u>	Lease: <u>U-013769-A</u>		
Name: <u>OLD SQUAWS CROSSING 2</u>	API: <u>43-047-30087</u>	Entity: <u>9970</u>	S <u>03</u>	T <u>10S</u>	R <u>20E</u>	Lease: <u>U-037164</u>		
Name: <u>OLD SQUAWS CROSSING 4</u>	API: <u>43-047-30113</u>	Entity: <u>7051</u>	S <u>30</u>	T <u>09S</u>	R <u>20E</u>	Lease: <u>U-0141644</u>		
Name: <u>OLD SQUAWS CROSSING 4A-30</u>	API: <u>43-047-30122</u>	Entity: <u>7040</u>	S <u>30</u>	T <u>09S</u>	R <u>20E</u>	Lease: <u>U-0141644</u>		
Name: <u>OLD SQUAWS CROSSING 7-15E</u>	API: <u>43-047-30211</u>	Entity: <u>7050</u>	S <u>15</u>	T <u>10S</u>	R <u>19E</u>	Lease: <u>U-013766</u>		
Name: <u>OLD SQUAWS CROSSING 3</u>	API: <u>43-047-30104</u>	Entity: <u>99998</u>	S <u>10</u>	T <u>10S</u>	R <u>20E</u>	Lease: <u>U-7206</u>		
Name: <u>OLD SQUAWS CROSSING 5-2</u>	API: <u>43-047-30129</u>	Entity: <u>7065</u>	S <u>02</u>	T <u>10S</u>	R <u>18E</u>	Lease: <u>ML-26968</u>		
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____		

**OPERATOR CHANGE DOCUMENTATION**

- YES 1. A pending operator change file has been set up.
- YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 6-29-00.
- YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 6-29-00.
- YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? **Yes/No** If yes, the company file number is SEE ATTACHED. If no, Division letter was mailed to the new operator on \_\_\_\_\_.
- ~~YES~~ YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the merger, **name change** or operator change for all wells listed above involving Federal or Indian leases on 6-2-00.
- N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on \_\_\_\_\_.
- N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on \_\_\_\_\_.

- 
- N/A 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.
- YES 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 7-19-00.
- YES 10. Changes have been included on the **Monthly Operator Change letter** on 7-19-00.
- 

### STATE BOND VERIFICATION

- N/A 1. State Well(s) covered by Bond No. \_\_\_\_\_.
- 

### FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION

- N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.
- N/A 2. A **copy of this form** has been placed in the **new and former operator's bond files** on \_\_\_\_\_.
- N/A 3. The **FORMER** operator has requested a release of liability from their bond as of todays date \_\_\_\_\_? If yes, Division response was made to this request by letter dated \_\_\_\_\_. (see bond file).
- N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_, of their responsibility to notify all interest owners of this change.
- N/A 5. Bond information added to **RBDMS** on \_\_\_\_\_.
- N/A 6. Fee wells attached to bond in **RBDMS** on \_\_\_\_\_.
- 

### FILMING

- \_\_\_\_\_ 1. All attachments to this form have been **microfilmed** on 2.23.01.
- 

### FILING

- \_\_\_\_\_ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file**.
- \_\_\_\_\_ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.
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### COMMENTS

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