

Efficient 8-1-76- Mapco Inc. took over
operations

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief *Perls.*
Approval Letter *5-10-71*
Disapproval Letter *5-7-71*

COMPLETION DATA:

Date Well Completed
OW..... WW..... TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... Mi-L..... Sonic.....
CBLog..... CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO. **U-7206**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Old Squaw's Crossing Unit

8. FARM OR LEASE NAME

9. WELL NO.
Unit #3

10. FIELD AND POOL, OR WILDCAT
O. S. C. Unit Development

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW¹/₄NE¹/₄-Sec. 10, T. 10S., R. 20 E., SLB & M

12. COUNTY OR PARISH 13. STATE
Uintah Utah

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
General Hydrocarbons Corporation

3. ADDRESS OF OPERATOR
209 Eighth Avenue, S.W., Calgary 2, Alberta, Canada

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface **2061 ft. from North line, 1733 ft. from East line;**
Section 10, T. 10S., R. 20 E., SLB & M, Uintah Co., Utah
At proposed prod. zone
(same) SENE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Ten (10) miles South of Ouray, Utah

16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
1733'

16. NO. OF ACRES IN LEASE
1800.00 acres

17. NO. OF ACRES ASSIGNED TO THIS WELL
640.00 acres

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
3816'

19. PROPOSED DEPTH
9600'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5039' GR.

22. APPROX. DATE WORK WILL START*
May 10, 1971

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48#	350'	400 Sks.
12 1/4"	9-5/8"	36# & 40#	6000'	850 Sks.
7-7/8"	4 1/2"	11.6#	9600'	900 Sks.

BOP = 10"-900 Series; Hydril

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. General Hydrocarbons Corporation By: Herbert M. Zandmer
SIGNED Herbert M. Zandmer TITLE President DATE May 5, 1971

(This space for Federal or State office use)
PERMIT NO. 13-047-10104 APPROVAL DATE _____

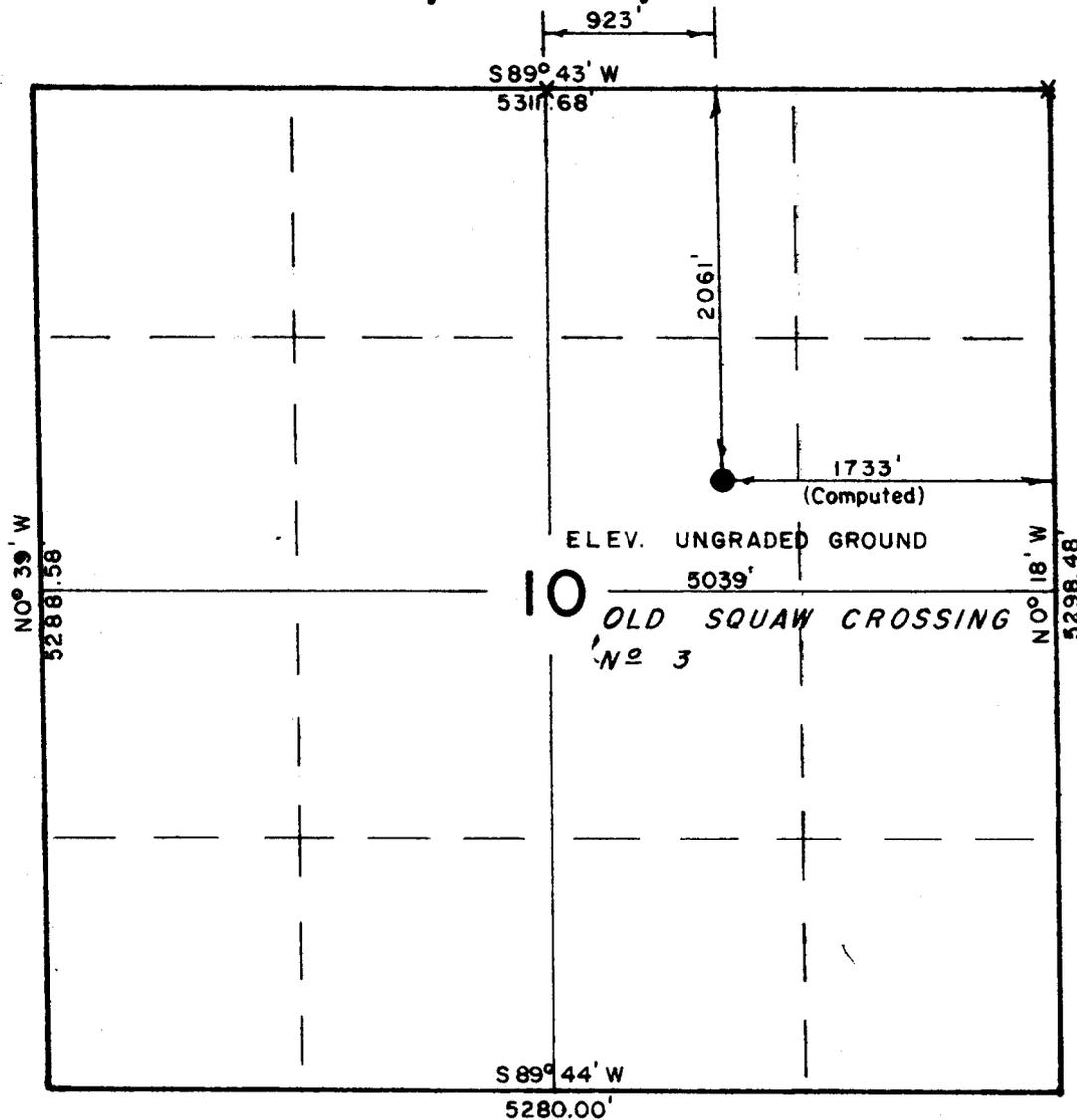
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

T10S, R20E, SLB&M

PROJECT

GENERAL HYDROCARBON

Well Location, Located as shown
in the NE 1/4 Section 10, T10S,
R20E, SLB&M, Uintah County,
Utah.



CERTIFICATE

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

Lone Stewart
REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

X = Corners Located (Brass Caps)

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

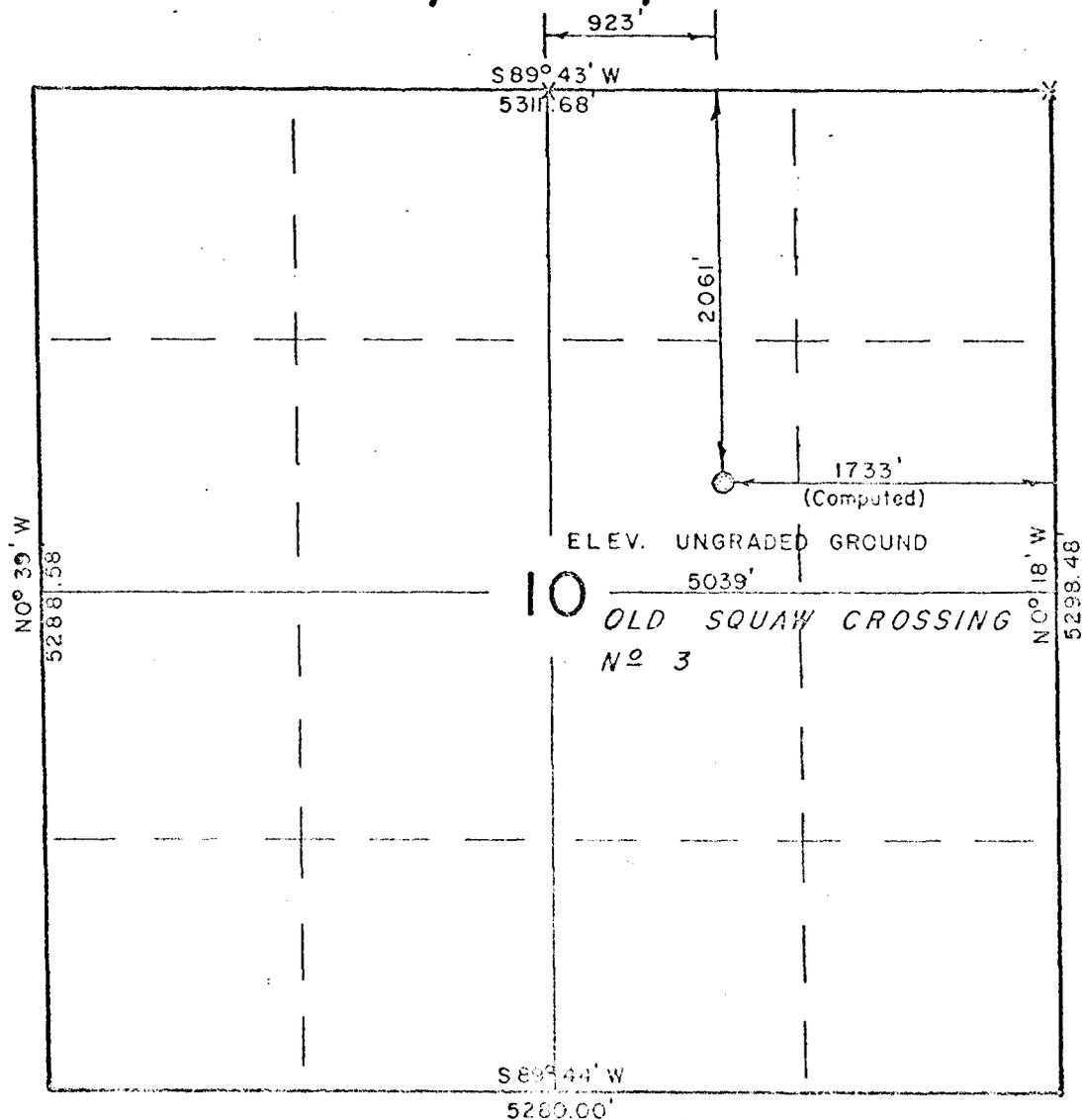
SCALE	DATE
1" = 1000'	28 Dec. 1970
PARTY	BY
L. D. Taylor - K. M. Murray	GLO
WEATHER	Township Plat
Clear - Cold	Genera Hydrocarbon

TIOS, R20E, SLB&M

PROJECT

GENERAL HYDROCARBON

Well Location, Located as shown
in the NE 1/4 Section 10, TIOS,
R20E, SLB & M, Uintah County,
Utah.



X = Corners Located (Bross Caps)



Uintah County - LAM. SURV. TIOS, R20E, SLB & M, UTAH VERNAL, UTAH - 84078	
SCALE	DATE
1" = 1000'	28 Dec. 1970'
PARTY	REFERENCE
L. D. Taylor - K. M. Murray	GLO Township Plat
WEATHER	FIG.
Clear - Cold	General Hydrocarbon

7-2-55

PS 01/3

REVISED
DOWELL CEMENTING RECOMMENDATION
GENERAL HYDROCARBON CORPORATION
OLD SQUAW CROSSING UNIT #3
UINTAH COUNTY, UTAH

BY
D. E. "DALE" WHEELER
DOWELL - DIVISION
OF THE
DOW CHEMICAL COMPANY



DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

Casper, Wyoming
May 3, 1971

Mr. Gilman A Hill
General Hydrocarbon Corporation
6200 Plateau Drive
Englewood, Colorado 80110

SUBJECT: Revised Cement Recommendation for intermediate and longstring casings in your old Squaw Crossing Unit No. 3, Uintah County, Utah.

PROPOSED:

6000 feet 9 5/8" casing in 12 1/4" hole, cementing backs to 4100 feet.
9600 feet 4 1/2" casing in 7 7/8" hole, cementing back to 6800 feet.
Hang casing with casing hanger at 5990 feet inside the 9 5/8" casing using a back off joint just above casing hanger to permit removal of all 4 1/2" casing above this point, after completing the stimulation work on formations below.

Permeators will be run on 9 5/8" and 4 1/2" casings. Rector plugs will be used on both cement jobs.

INTERMEDIATE (6000 feet cementing back to 4100 feet):

FILLER CEMENT:

475 sacks 50-50 Litepoz 3, 2% gel, 1/4#/sk Clinton Flake, 10% salt (BWOW) and .6% D-60 Flac
Yield = 1.22 ft³/sk
Density = 14.3 #/gal
24 hours compressive strength at 165° BHST = 1500 psi
Pumping time = 3:30 hours

TAIL END CEMENT:

400 sacks Class G, 10% salt, 1/4#/sk Clinton Flake and .6% D-60 Flac
Yield = 1.15 ft³/sk
Density = 15.8 #/gal
24 hours compressive strength at 165° BHST = 4700 psi
Pumping time = 3:10 hours

COST MATERIAL AND SERVICE:

637 sacks Class G at	1.92	=	1,223.04
238 sacks Litepoz 3 at	1.57	=	373.66
4158 pounds salt at	.027	=	112.27
465 pounds Flac at	2.05	=	953.25
219 pounds Clinton Flake at	.36	=	78.84
926 ft ³ Service Charge at	.43	=	398.18
35 miles hauling 82342 pounds at	.28 TM	=	403.48
2% gel service on 475 sacks			NC
10 miles on pumper at	.90	=	9.00
One pumper to 6000 feet			740.00
1000 gallon Chemical Wash #7 at	.25	=	250.00
			\$4,541.72
	3% Sales Tax		136.25
	Total		\$4,677.97

NOTE: The above price is an estimate only and not a firm quotation.
 The price charge for the work will be determined by equipment,
 materials and time actually used.

CEMENT PROCEDURE:

1. Circulate casing with rig pump to condition mud.		
2. Rig pumper to casing	Minutes	Total
3. Pump 5 barrels water at 6 BPM	1	1
4. Pump 24 barrels Chemical Wash #7	4	5
5. Pump 5 barrels water	1	6
6. Mix filler cement at 6 BPM (103 barrels)	17	23
7. Mix tail end cement at 6 BPM (82 barrels)	14	37
8. Drop wiper plug	2	39
9. Start displacement at 8 BPM		
10. Slow to 4 BPM as cement starts around the shoe joint (261 barrels, 43.50# casing)	33	1:12
11. Plug on Float Collar	47	1:59
12. Pressure up to extend permeators		
13. Check float, if holding, leave no pressure on casing		
14. Wait 24 hours on cement.		

LONGSTRING:

FILLER CEMENT:

800 sacks 50-50 Litepoz 3 (no gel), .30 gal/sk D-73 Flac, .5% Tic and .2% D-8 Retarder
 Yield = 1.05 ft³/sk
 Density = 14.7 #/gal
 24 hours compressive strength at 200° BHST = 3900 psi
 Pumping time = 5:30 hours

TAIL END CEMENT:

150 sacks Class G, 10% Salt, .30 gal/sk D-73, .5% Tic and .2% D-8 Retarder
 Yield = 1.15 ft³/sk
 Density = 15.8 #/gal
 24 hours compressive strength at 200° = 5100 psi

PROCEDURE:

- | | | | |
|-----|-----------------------------------------------------------------------------------------|---------|-------|
| 1. | Circulate with rig pump to condition mud afer on bottom with pipe: | | |
| 2. | Rig cement pumper to casing | Minutes | Total |
| 3. | Pump 5 barrels water at 6 BPM | 1 | 1 |
| 4. | Pump 500 gallons Chemical Wash #7 | 2 | 3 |
| 5. | Pump 5 barrels water at 6 BPM | 1 | 4 |
| 6. | Mix filler cement at 6 BPM (150 barrels) | 25 | 29 |
| 7. | Mix Tail End cement at 4 BPM (30 barrels) | 8 | 37 |
| 8. | Wash lines out, drop plug | 3 | 40 |
| 9. | Displace at 4 BPM, this is Sloflo rates, total displacement (149 barresl) plug on Float | 38 | 1:18 |
| 10. | Pressure up to extend permeators | | |
| 11. | Bleed pressure off to check Float, if holding, leave no pressure on casing. | | |

DISCUSSION:

By running intermediate casing deeper we can now cement longstring in one stage. Also using liner hanger and back off joint, we can run permeators in the 9 5/8" intermediate casing for the upper zones.

Rector plugs will be run on the 9 5/8" casing and 4 1/2" casing to wipe the pipe and seal off on Float Collar. I understand Permeator Corporation will furnish these plugs. If Permeator plans to use Dowell plug containers for the Rector plugs we should check if plugs will fit in plug containers before the job.

MATERIAL AND SERVICE PRICE:

550 sacks Class G at	1.92	=	1,056.00
400 sacks Litepoz-3 at	1.57	=	628.00
406 pounds Tic at	1.30	=	527.80
163 pounds D-8 Retarder at	2.00	=	326.00
285 gallons D-73 Flac at	5.00	=	1,425.00
959 ft ³ Service Charge at	.43	=	412.37
35 miles hauling 81900 pounds at	.28 TM	=	401.31
500 gallons Chemical Wash #7 at	.25	=	125.00
10 miles on pumper at	.90	=	9.00
One pumper to 9600 feet			1,060.00
622 pounds salt at	.027	=	16.79
	3% Sales tax		5,987.27
			179.62
			<u>\$6,166.89</u>

General Hydrocarbon Corporation

May 3, 1971

Page 4

We appreciate working with you on this project and if additional information or assistance is desired, please call.

Sincerely,

Dale Wheeler

D. E. (Dale) Wheeler
DEW/vhc

FROM

Mr. Gerald Daniel, District Engineer
U. S. Geological Survey
8416 Federal Building
125 South State Street
Salt Lake City, Utah 84111

Gilman A. Hill
6200 Plateau Drive
Englewood, Colo. 80110

SUBJECT

General Hydrocarbons Corporation
"Application for Permit to Drill"
Old Squaw's Crossing Unit #3 Well
(NE $\frac{1}{4}$ -10-10S-20E, Uintah County,
Utah)

DATE

May 6, 1971

MESSAGE

We failed to enclose the attached Survey Plats with the captioned application which we mailed to you yesterday. We will appreciate having them attached thereto. Thank you.

Gilman A. Hill

cc: State of Utah
Dept. of Natural Resources
Div. of Oil & Gas Conservation
1588 W. North Temple
Salt Lake City, Utah 84116 (Attn. Mr. C. B. Feight, Director)

SIGNED

DATE

REPLY

SIGNED



SNAP-A-PART
47-203
MADE IN U. S. A.

May 7, 1971

General Hydrocarbons Corporation
209 Eighth Avenue S.W.
Calgary 2, Alberta
CANADA

Re: Old Squaw's Crossing Unit #3
Sec. 10, T. 10 S, R. 20 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval will not be granted to drill the above referred to well until such time as the following reports are filed with this Division on the Old Squaw's Crossing Unit #2, Sec. 3, T. 10 S, R. 20 E, Uintah County, Utah.

1. Monthly Report of Operations for the months of November and December, 1970, and January thru' April, 1971. (Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure.)
2. Well Completion or Recompletion Report and Log (Rule C-5, General Rules and Regulations and Rules of Practice and Procedure)

Enclosed for your convenience are the necessary forms to be completed, as well as a copy of the Division's Rules and Regulations.

Upon receipt of the above referred to material, approval for the Unit #3 will be forthcoming.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
cc: U.S. Geological Survey; Gilman A. Hill

May 10, 1971

General Hydrocarbons Corporation
209 Eighth Avenue S.W.
Calgary 2, Alberta
CANADA

Re: Old Squaw's Crossing Unit #3
Sec. 10, T. 10 S, R. 20 E,
Uintah County, Utah

Gentlemen:

As this Division has received the material requested in our letter of May 7, 1971, for the Unit #2 well, please be advised that approval to drill the above referred to well is hereby granted.

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

PAUL W. BURCHELL-Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

This approval terminates within 90 days if the above 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 during drilling. The API number assigned to this well is 43-047-30104.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey; Gilman A. Hill

"DUPLICATE COPY"

"DUPLICATE COPY"

Daily Drilling Report
Old Squaw's Crossing Unit #3
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10, T 10S., R. 20 E, SLM
Uinta County, Utah
Elev. = 5039' gr.; Spud 6:30 p. m.
5/16/71

Date
(drlg days/depth)

Description

5/16/71
(0d / 0')

(0 days; 0 depth) 6:00 a. m. Mixing mud.

5/17/71
($\frac{1}{2}$ d / 120')

($\frac{1}{2}$ day since spud; 120 ft at 6:00 a. m.) Dynadrilled rat hole and mouse hole with 13-3/4" bit; Rig up to drill with "B" re-run. 17 $\frac{1}{2}$ " bit from OSC #2 well. Spud at 6:30 p. m. 5/16/71; drill 50 ft. and pull out to change bit; Survey = $\frac{1}{2}$ degrees; Run "B" re-run 17 $\frac{1}{2}$ " bit; Using gel mud; drlg at 120 ft @ 6:00 a. m.

5/18/71
(1 $\frac{1}{2}$ d / 238')

(1 $\frac{1}{2}$ day since spud; 238 ft @ 6:00 a. m.) Continue dynadrill with Bit #2 to 234 ft. Pull out and lay down dynadrill. Run in and continue to drill to 238'. Pull out of hole with dull bit; Run in hole to circulate for running casing; Survey = $\frac{1}{2}$ degree; Pull out of hole; Try to run 13-3/8" casing; Stopped at 50 ft. Work casing; Pull casing out of hole. Run reamer. Reaming hole at 45 ft. at 6:00 a. m. Using gel mud.

5/19/71
(2 $\frac{1}{2}$ d / 238')

Continue reaming tight hole to 238 ft. Run 7 jts. of 13-3/8", ST & C, 48#, (218.27 ft) plus one landing jt. 26.09', landed 17' below rotary table. Centralizers on first collar and on guide shoe. Tack first two collars with ~~welding~~ compound. Use Dowell to cement. Use 300 sacks of class G cement, 5% D-43, and $\frac{1}{4}$ #/sk Clinton Flake, Density + 15.8 #/gal. Start mixing @ 2:28 p. m., displace with 33 bbls of water; cement in place @ 2:40 p. m. with 500 psi on baffel plate. Good returns to surface. Guide shoe at 238". Held pressure to 6:00 p. m. Release pressure and install 900 series 12" casing head. Installing blow out preventors at 6:00 a. m.

5/20/71
(3 $\frac{1}{2}$ d / 390')

(3 $\frac{1}{2}$ days since spud; 390' @ 6:00 a. m.) Continue to install BOP. Test rams at 1000 psi, ok. Rig up and ran bit #3 = Smith K2J, 12 $\frac{1}{4}$ ". Test pipe rams @ 1000 psi = ok. Drill out rubber plug at 204', baffel @ 206', cement to 237', guide shoe @ 238'. Pull out to unplug bit. Run in and drill to 390' @ 6:00 a. m. Now drilling at 25'/hr.

- 5/21/71
(4 $\frac{1}{2}$ d/958') (4 $\frac{1}{2}$ days since spud; 958' @ 6:00 a. m.) Continue to drill. Survey at 367' = $\frac{1}{4}$ degree. Survey at 760' = $\frac{1}{2}$ degree. Drilling at 958' @ 6:00 a. m. Bit #3 has drilled 720' in 29 hours for an average of 24.9 ft/hr.
- 5/22/71
(5 $\frac{1}{2}$ d/1414') Continue drilling from 958' to 1028'. Pull Bit #3, (Bit #3 made 780' in 37 hrs). Survey 1028' = 1 degree. Run in bit #4, Smith 4JS-12 $\frac{1}{4}$ "; Drilling 20 ft/hr at 1414' at 6:00 a. m.
- 5/23/71
(6 $\frac{1}{2}$ d/1812') Continue drilling from 1414' to 1812'. Drill 403' in 23 $\frac{1}{2}$ hrs; 40-3/4 hrs on bit #4, Survey 1775' = 1 $\frac{1}{2}$ degrees.
- 5/24/71
(7 $\frac{1}{2}$ d/2223') Continue drilling from 1812' to 2100', Survey @ 2100' = 1-3/4 degrees. Drilling at 2223' @ 6:00 a. m. Drill 412' in 23 $\frac{1}{4}$ hrs; Survey = 3/4 hrs; Bit #4 drilled 1195' in 64 $\frac{1}{2}$ hrs.
- 5/25/71
(8 $\frac{1}{2}$ d/2525') Continue drilling from 2223' to 2360'. Run Survey @ 2360' = 2 $\frac{1}{4}$ degrees. Pull out, pick up shock sub, stabilized, three more dull collars and Bit #5 (Drill collars now used = six 8" plus twelve 7"). Bit #5 in Security S-88. Put new rubbers on top rams. Run in hole. Drill from 2360' to 2525'. Now drilling 25 to 30 ft/hr at 2525' at 6:00 a. m. Survey @ 2430' = 1-3/4 degrees. Bit #4 drilled 1332' in 71-3/4 hrs; Bit #5 has drilled 165' in 7 $\frac{1}{4}$ hrs. Drilled very rough before putting on shock sub and is drilling smooth now with shock sub. Bit #4 could be rerun for another 15 to 30 hrs probably. Stabilizer is now correcting hole drift from 2 $\frac{1}{4}$ degrees at 2350' to 1-3/4 degrees at 2430'.
- 5/26/71
(9 $\frac{1}{2}$ d/3070') Continue Drilling from 2525' to 3070' = 545 ft in 22 $\frac{1}{2}$ hrs. Bit #5 = 30 $\frac{1}{4}$ hrs. Survey 2700' = 1-3/4 degrees; 3000' = 1 $\frac{1}{4}$.
- 5/27/71
(10 $\frac{1}{2}$ d/3634') Continue drilling 3070' to 3634'. Drilled 564' in 23 $\frac{1}{4}$ hrs. Survey at 3400' = 1 $\frac{1}{4}$ Degrees. Total Time on Bit #5 = 53 $\frac{1}{2}$ hrs. drilling 1274'. Well now making about 2" stream of formation water.
- 5/28/71
(11 $\frac{1}{2}$ d/4010') Continue drilling with Bit #5 from 3634' to 3918', Pull out Bit #5, S-88 with 1558' cut in 65 hrs. Run in with Bit #6; Smith 3JS, Drill 3918' to 4010'. Drilled 376' in 16 $\frac{1}{2}$ hrs this 24 hr period. Bit #6 has drilled 92' in 5 hrs. Survey at 3900' = 1 $\frac{1}{4}$ degrees. Cut drilling line. Flow of formation water increasing with depth.
- 5/29/71
(12 $\frac{1}{2}$ d/4385') Continue drilling 4010' to 4385' at 1:00 a. m. 19 hrs drilling. Well blew out while drilling 8" drilling break in excess of one ft/min at 1:00 a. m. Gas blow-out caught fire and burned

PMW
PF

Unable to close blow-out preventors due to Kelley extending through the BOP. Unable to extinguish fire by 6:00 a.m.

5/29/71
(daytime op)

Continue trying to extinguish fire. Fire extinguished at 7:45 a.m. Rig up to kill well. Unable to kill gas flow. Shut down at 8:00 p.m.; no lights available. Rusher and crew on well-watch overnight.

5/30/71
(daytime op)

Start work at 8:00 a.m. Try to kill well by pumping 100 bbls of 10 #/gal mud down annulus (Unable to pump down drill pipe--drill string plugged) but mud blows out. Mix 10.7 # per gal mud and pump in 90 bbls to fill annulus. Well blew out in 17 minutes. Well unloading at 30 minutes intervals and then at 15 to 20 minute intervals with large volumes of formation water temporarily killing well between each blow out. Rig up to charge drilling line and to change goose-neck. Shut down operations at rig @ 8:25 p.m. with no lights. Continue to mix mud.

5/31/71
(daytime op)

Start operations at 5:00 a.m. Finish installing goose-neck on swivel. Put on new Kelley hose. Rigging system to run sinker bars. Now have 1000 bbls of 12 #/gal mud mixed and ready to kill well. At 2:00 p.m. well died abruptly; apparently bridged over. Run sinker bar inside drill pipe and find obstruction at 3023'. Run perforating guns and perforate 3 holes from 2943' to 2946'. Start circulating through perforation with 12 #/gal mud containing some lost circulation material. Pump rate of 4 bbls/min at 2000 psi indicates two perforation holes probably plugged and only one hole open. When some diluted mud reaches surface, circulation was lost. Stop pumping for one hr, and then pump 35 bbls of mud down annulus. Stop pumping for another 30 minutes and then fill hole by pumping 29 bbls down annulus. Fluid level dropped again. Then pump down drill pipe with 50 bbls containing a heavier concentration of lost circulation material and displace with regular mud. Pump rate of 4 bbls/min indicate that all 3 perforation holes are now open. Fluid to surface after pumping 40 bbls of displacement mud and then lost circulation again. After an additional 20 bbls of displacement obtain full circulation returns by 11:00 p.m. Continue to circulate and mix additional mud overnight.

6/1/71

Cut mud to 11 #/gal and circulate hole. Mud consists of gelignite, Barito, and lost circulation material (approx 1500 bbls of mud mixed to date). Buck off drill pipe 57 $\frac{1}{2}$ ft below K. B. Lay down Kelley and 1 jt of drill pipe. Close blind rams in BOP. Preparing to take down old derrick and rig up new derrick.

- 6/2/71 Take down old derrick. Raise new derrick about 7:30 p. m.
- 6/3/71 Rigging new derrick. Put new rams in BOP. Rig up 12" Hydril.
- 6/4/71 to
6/5/71
(19 $\frac{1}{2}$ d/fishing) Enter well. Screw into drill pipe and back off top joint which was split. Remove split joint. Screw into drill pipe again and circulate drilling mud through perforations at 2943' to 2946'. Back off drill pipe at 2987' and pulled out of hold. Washed over drill pipe to 3165'. Pulling out of hole @ 6:00 a. m. 6/5/71.
- 6/5/71 to
6/6/71
(20 $\frac{1}{2}$ d/fishing) Continue pulling out of hole. Pick up cutters, jars and bumper sub. Run in hole and cut drill pipe at 3127'. Circulate hole clean. Pull out 4 single jts plus a 3' piece. Make up overshot bumper sub, and jars. Run in hole and get hold of fish at 3127'. Run feeler bar to 4370'; Unable to circulate through drill bit. Run free point indicator and work pipe to find free point. Free to top of collars but unable to get free point below top of drill collars. Back off pipe at top of drill collars at 3820' ft. Pull up 2 ft. and circulate hole clean and build up mud volume. Hole continues to take moderate amount of mud. Pulling fish out of hole at 6:00 a. m., 6/6/71.
- 6/6/71 to
6/7/71
(21 $\frac{1}{2}$ d/fishing) Continue to pull fish out of hole. Out of hole by 7:00 a. m. Lay down fishing tools and drill pipe. Pick up 9-5/8" wash pipe and jars. Run in and wash over fish from 3820' to 4130'. Wash through many bridges. Circulate hole for 2 hrs. Pull out of hole and stand back wash pipe. Run in with jars and bumper sub. Screw into top of fish. Unable to circulate through drill bit. Worked pipe which was free to 4190'. Back off drill collars at 4158'. Pulling out of hole with drill collars from 3820' to 4158' at 6:00 a. m., 6/7/71.
- 6/8/71
(22 $\frac{1}{2}$ d/fishing) Continue pulling out of hole and lay down drill collars from 3820' to 4158'. Run in with 9-5/8" wash pipe. Wash over 8" drill collars from 4158' to 4319'. Reach rubber stabilizer. Pull up and circulate hole clean. Pull out and stand back wash pipe. Make up jars and bumper sub. Running in hole at 6:00 a. m. (Wash pipe could not cut through rubber stabilizer.)
- 6/9/71
(23 $\frac{1}{2}$ d/fishing) Run in hole. Wash out 20 ft of fill--screwed into drill collar and jar from 9:00 a. m. to 12:30 p. m. Move fish uphole about 7 feet. Run free-point indicator and work pipe. Back-off four drill collars; one 7" and three 8" drill collars (124.61'). Pull fish and stand back in derrick. Run 12 $\frac{1}{4}$ " Smith K-2 drill bit (rerun) and ream hole to 4275'. Lost about 100 bbls of mud while reaming. Circulate hole clean. Pull out 12 $\frac{1}{4}$ " drill bit. Making up 10-3/4" wash pipe at 6:00 a. m.

- 6/10/71
(24 $\frac{1}{2}$ d/fishing) Continue making up 10-3/4" wash pipe. Run in hole, circulate clean over top of fish at 4280'. Wash over drill collars from 4280' to 4381'. Circulate hole clean and pull out of hole laying down 10-3/4" wash pipe. Run in hold with jars and bumper sub. Screw into top of drill collars at 4280'. Start jarring on fish at 5:30 a.m. (6/10/71) moving fish very slowly.
- 6/11/71
25 $\frac{1}{2}$ D/4418') Continue jarring on fish. Start getting more movement on fish at 9:15 a.m. Fish come loose at 9:35 a.m. Pull fish out of hole very slowly. Out of hole at 2:15 p.m. Lay down fishing tools. Run in with rerun Bit #6 Smith 3JS, 12 $\frac{1}{4}$ " dia. Drill out bridges from 4100' to 4385'. Drill new hole from 4385' to 4418' at 8:00 a.m. Mud wt. = 11.0 #/gal., viscosity = 50. Drilling about 18 minutes/ft.
- 6/12/71
(26 $\frac{1}{2}$ d/4502') Continue to drill and condition mud from 4418' to 4502'. Survey at 4430' = 1 degree. Drilled 23 $\frac{1}{2}$ hrs. during last 24 hrs. Bit #6 has total of 53 hrs. drilling. Drilling rate now about 6 to 7 minutes/ft.
- 6/13/71
(27 $\frac{1}{2}$ d/4583') Continue to drill 4502' to 4579'. Circulate hole clean and pull out Bit #6 (#6 drilled 661' in 71 $\frac{1}{2}$ hrs). Run in Bit #7 Smith 3JS and drill from 4579' to 4583' (at 6:00 a.m.) Bit #7 drilled 4 ft. in 3/4 hrs. Drilled 19 $\frac{1}{4}$ hrs. in last 24 hrs.
- 6/14/71
(28 $\frac{1}{2}$ d/4705') Continue to drill from 4583' to 4705' (at 6:00 a.m.) Avg. about 5 ft/hr.
- 6/15/71
(29 $\frac{1}{2}$ d/4825') Continue to drill from 4705' to 4825'. Drill 120 ft. in 24 hrs. Bit #7 has drilled 48-3/8 hrs.
- 6/16/71
(30 $\frac{1}{2}$ d/4948') Continue to drill from 4825' to 4948'. Drilled 123 ft. in 24 hrs. Bit #7 has drilled 72-3/4 hrs.
- 6/17/71
(31 $\frac{1}{2}$ d/5025') Continue to drill from 4948' to 5025'. Drilled 87 ft. in 24 hrs. Bit #7 has drilled 96 3/4 hours. Start cutting some red shales at about 4900'. Cutting heavy sticky clays with some red colors from 4950' to 5025' which slows penetration rate.
- 6/18/71
(32 $\frac{1}{2}$ d/5139') Continue to drill from 5025' to 5139'. Drill 119 ft. in 24 hrs. Bit #7 has drilled for 120 3/4 rotating hours.

6/19/71
(33 $\frac{1}{2}$ d/5164')

Continue to drill from 5139' to 5164'. Circulate hole clean. Survey at 5164' = 0°. Mix gel and barite for heavy mud pill and pump down drill pipe. Pull out of hole. Rig up and run 9 5/8" casing. Run 27 joints N-80, 40#, L T and C, = 1113'; run 30 joints K-55, 40#, S T and C, = 1208.40'; run 69 joints, K-55, 36#, = 2804.95'; landed with 1 joint, N-80, 40#, L T and C = 41.30'; total length of casing run = 5,167.65'. Run guide shoe on foot and insert in first collar. Use thread lock on first 3 collars. Run centralizer in middle of first joint and 3 additional centralizers one on every second collar. Circulate hole clean. Cement with Dowell. Start mixing cement at 4:05 a.m. 290 sacks neat cement with 3% D-79; follow with 200 sacks of neat cement with 2% calcium chloride. Finished at 4:34 a.m.; displace with 390 barrels of water. Cement in place at 5:40 a.m. Good circulation throughout job.

6/20/71
(34 $\frac{1}{2}$ d/5164')

Set slips on 9 5/8" casing. Cut off 9 5/8" casing. Take out 12" = 900 blow-out equipment and install 10" = 900 blow-out equipment, including hydrill. Lay down 7" drill collars.

6/21/71
(35 $\frac{1}{2}$ d/5289')

Continue laying down 7" drill collars. Check positive shut off rams and find lines crossed. Straighten out lines to blow-out preventors and check positive rams to 1,000 psi for 15 minutes = O.K. Pick up 6" drill collars with stabilizer and Bit #8 = 7 7/8" Smith 3 JS. Drill collars' weight = 53#. Found top of cement at 5119'. Drill out top and bottom rubber plug, float insert, cement and guide shoe (at 5164'). Drill new hole from 5164' to 5289'. Mud weight = 8.5, viscosity = 34, water loss = 6.4.

6/22/71
(36 $\frac{1}{2}$ d/5559')

Continue to drill 5289' to 5559'. Drill 270 ft. in 20 $\frac{1}{4}$ hrs.; pack swivel = 2 hrs., Survey = 3/4 hrs. = ? @ 5530'. Mud weight - 8.8, viscosity - 33, water loss = 6, filter cake = 2/32, pH = 8.

6/23/71
(37 $\frac{1}{2}$ d/5808')

Continue to drill 5559' to 5808'. Drill 249 ft. in 24 hrs. Mud weight - 8.8, viscosity - 42, water loss - 6, pH = 7.5.

6/24/71
(38 $\frac{1}{2}$ d/5986')

Continue drilling from 5808' to 5901'. Circulate hole clean. Pull out to change bits. Run in Bit #8 Security SS-86. Drill from 5901' to 5986' at 6:00 a.m. Mud weight = 8.9, viscosity = 39, water loss = 5, pH = 8. Survey at 5901' = $\frac{1}{2}$ degree.

6/25/71
(39'd/6206')

Continue to drill from 5986' to 6206'. Drilled 220 feet in
24 hrs. Bit #8 has drilled 33 $\frac{1}{2}$ hrs. Mud weight = 9.0;
viscosity = 40, water loss - 5.5; filter cake = 2/32; pH = 8.

6/25/71
(39'd/6206')

Continue to drill from 5986' to 6206'. Drilled 220 feet in 24 hrs. Bit #9 has drilled 33 $\frac{1}{2}$ hrs. Mud weight = 9.0; viscosity = 40, water loss = 5.5; filter cake = 2/32; pH = 8.

6/26/71
(39 $\frac{1}{2}$ d/6425')

Continue to drill from 6206' to 6425'. Drill 219' in 24 hrs. Bit #9 has drilled 56 $\frac{1}{2}$ hrs. Mud weight = 9.2, viscosity = 38-40, water loss = 5.2, pH = 8, solids = 6%.

6/27/71
(40 $\frac{1}{2}$ d/6610')

Continue to drill from 6425' to 6610'. Drilled 185' in 23 hrs. Circulate hole for $\frac{1}{2}$ hr. Survey = $\frac{1}{2}$ hr. = 1 degree @ 6610'. Bit #9 = 709' in 79 $\frac{1}{2}$ hrs. Mud weight = 9.1, viscosity = 43-45, water loss = 5, filter cake = stain, pH = 7.5, solids = 6%. Pulling out of hole with dull bit at 6:00 a.m.

6/28/71
(41 $\frac{1}{2}$ d/6764')

Continue to circulate. Pull out of hole to change Bit. Change rubber on stabilizer. Run in hole with Bit #10, Smith 3JS. No fill in hole. Drill from 6610' to 6764'. Drilled 154 ft. in 17 $\frac{1}{2}$ hrs. Mud weight = 9.2, viscosity = 42, water loss = 4.8, mud cake = stain, pH = 7.5, solids = 7%.

6/29/71
(42 $\frac{1}{2}$ d/6916')

Continue to drill from 6764' to 6915'. Bit #10 locked up after drilling 305 ft. in 34 $\frac{1}{2}$ hrs. (Bit teeth broken off and all cones locked up.) Circulate hole clean and pull out of hole. Run in with Bit #11 = Smith 4JS. Drilling at 6916' at 6:00 a.m. Survey at 6916' = 1 $\frac{1}{4}$ degrees.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE Utah
LEASE NUMBER U-7206
UNIT Old Squaw's Crossing

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Old Squaw's Crossing

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1971,

Agent's address 209 Eighth Avenue S. W., Suite 206 Company General Hydrocarbons Corp.

Calgary 2, Alberta, Canada

Signed

Forrest M. Zardmal
Superintendent

Phone (403) 264-3229

Agent's title

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW ¼ NE ¼ Sec. 10	10S	20E	3	0	0	--	0	0	0	Drilling at 4385'

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;
no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE Utah
LEASE NUMBER U-7206
UNIT Old Squaw's Crossing

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Old Squaw's Crossing

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1971,

Agent's address 209 Eighth Avenue S.W., Suite 206 Company General Hydrocarbons Corp.
Calgary 2, Alberta, Canada Signed [Signature]

Phone (403) 264-3229 Agent's title President

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If NONE, SO STATE)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW ¼ NE ¼ Sec. 10	10S	20E	3	0	0	--	0	0	0	Drilling at 7069'

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;
no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE Utah
LEASE NUMBER U-7206
UNIT Old Squaw's Crossing

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Old Squaw's Crossing

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1971,

Agent's address 209 - 8th Avenue, S. W., Suite 206 Company General Hydrocarbons Corp.
Calgary, Alberta, Canada Signed Herbert M. Friedman

Phone (403) 264-3229 Agent's title President

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	Cu. Ft. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of sea)
SW ¼ NE ¼ Sec. 10	10S	20E	3	0	0	--	0	0	0	T. D. at 9606'. Completion operations in progress

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;
no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

October 8, 1971

General Hydrocarbon Corporation
c/o Mr. Gilman A. Hill
6200 Plateau Drive
Englewood, Colorado 80110

Re: Old Squaw's Crossing #3
Sec. 10, T. 10 S, R. 20 E,
Uintah County, Utah

Dear Mr. Hill:

This letter is to advise you that as of this date we have not received a Monthly Report of Operations for the months of August and September, 1971, on the subject well.

Under Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, said report is to be filed on or before the sixteenth day of the succeeding month. This report may be filed on Form OGC-1b, as enclosed, or on company forms containing substantially the same information.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE
SUPERVISING STENOGRAPHER

:sd

PI

GENERAL HYDROCARBONS CORPORATION

Daily Drilling Report
Page Fifteen

Old Squaw's Crossing Unit Well No. 3
SW 1/4 NE 1/4 Sec. 10, T.10S., R20E, SLM
Uintah County, Utah

12/8-9/73

Well shut in.

12/10/73

Tubing pressure 310 psi; casing pressure 2865 psi
at 1:40 P.M.

12/11/73

Tubing pressure 325 psi; casing pressure 2940 psi
at 3:30 P.M.

12/12/73

Well shut in.

12/13/73

Tubing pressure was 340 psi; casing pressure 3040 psi
at 3:05 P.M.

12/14-12/15/73

Well shut in.

12/16/73

TBG Pressure 350 PSI, CSG Pressure 3050 PSI @ 1:00 PM.

Well shut in waiting on orders; no reports will
be made until additional work is commenced.

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GENERAL HYDROCARBONS CORPORATION

Daily Drilling Report
Page Fifteen

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GENERAL HYDROCARBONS CORPORATION

Daily Drilling Report
Page Fourteen

Old Squaw's Crossing Unit Well No. 3
SW 1/4 NE 1/4 Sec. 10, T.10S., R20E, SLM
Uintah County, Utah

11/27/73

At 11:00 A.M. casing pressure was 1225 psi and tubing pressure was 550 psi.

11/28/73

At 11:15 A.M. casing pressure was 1475 psi and tubing pressure was 575 psi. Preparing to flow well to dry and unload fluid.

11/29/73

At 11:05 A.M. tubing pressure was 0 psi and casing pressure was 1715 psi. Flow test results are listed below. Opened well at 11:20 A.M. blowing dry gas.

<u>Time</u>	<u>Tubing Pressure</u>	<u>Casing Pressure</u>
11:22 AM	100 psi	1425 psi
11:23 AM	35 psi	1425 psi
11:24 AM	0 psi	1420 psi
11:25 AM	0 psi	1420 psi
11:30 AM	0 psi	1420 psi
11:35 AM	0 psi	1420 psi
11:40 AM	0 psi	1420 psi
11:45 AM	0 psi	1420 psi
11:50 AM	0 psi	1420 psi
11:55 AM	0 psi	1420 psi

Well did not unload fluid. Shut in at 11:55 A.M.

- 10/5/71
(76 d) Continue swabbing; fluid dropping slowly, with very little gas. Start swabbing from bottom at 3:00 p. m., with good fluid entry. Swabbed to bottom and fluid stopped coming in. No gas. Wait 1 hour and run swab; found very little gas and shut down at 5:00 p. m.
- 10/6/71
(77 d) Crew started work at 7:00 a. m. 250 lbs. pressure on casing, 50 lbs. on tubing. Run swab and find fluid at 4,000'. Swab out. Run in and hit fluid at 8500. Swab out and find good show of gas. Run swab and find 800' rise in fluid. Well came around and blew good for 30 minutes through open-end tubing.
- 10/7/71
(78 d) Started work at 7:00 a. m. Casing pressure 250 lbs. Swab from 8250' to bottom. Crew off at 4:00 p. m.
- 10/8/71
(79 d) Went to rig at 7:00 a. m. Called crew out at 11:00 a. m. Swab from 7600' to bottom with very little gas.
- 10/9/71
(80 d) Crew off.
- 10/10/71
(81 d) Crew off. 1275 lbs. on casing string.
- 10/11/71
(82 d) Started work at 7:00 a. m. with 1275 lbs. casing pressure. Fluid at 4000'. Swab well; well came around and blew dry over gas. Found unspent acid. Well came in at 9:44 a. m. Blow well from 10:01 a. m. to 11:30 a. m. on 1/4". Rate was for 300,000 down to 200,000. Pressure started dropping off rapidly.
- 10/12/71
(83 d) Run in and find fluid at 8100'. Run swab to bottom; pull out and run second swab. Find fluid at 8600'. Pull out swab and well came around. Blowing now and looks the same as yesterday. Casing pressure 450 lbs.

- 9/27/71
(68 d) Start work at 7:00 a. m. Bled gas down. Pull out and change packers. Run in packer at 9324' and had communication around packer. Also tried to set the packer at 9396'. Shut down at 6:00 p. m.
- 9/28/71
(69 d) Start work at 7:00 a. m. Lay down 8 singles and set packer at 9066'. Had communication around packer. Pull up 6 singles and set packer at 8890'. Pull 800 lbs. behind packer and held pressure O. K. Take out blow-out equipment and install top part of Christmas tree. Swab down to bottom. Crew off at 2:00 p. m.
- 9/29/71
(70 d) Start work at 7:00 a. m. Pump water in hole with 2% potassium chloride. Take out top part of Christmas tree and install blow-out equipment. Pull out and run Baker Retrievable Bridge Plug on wire line set at 8900'. Run in with Model R Retainer Production Packer set at 8782'. Would not hold. Pull up to 8600' but wouldn't hold. Pull up to 8011' and held O. K. Swab down to bottom with good gas pressure.
- 9/30/71
(71 d) Crew started work at 7:00 a. m. Well open overnight and gas flowing at estimated rate of 75,000 to 150,000. Can hear gas coming through water. Run swab in hole and hit fluid at 5500'. Pull 2500' of fluid. Gas increased a little, possibly to 200,000. Run swab every 30 minutes. Swab out 300' fluid each run, or 1 bbl.
- 10/1/71
(72 d) Went to rig. 100 lbs. pressure on casing, 50 lbs. on tubing. Bled tubing down.
- 10/2/71
(73 d) Crew started work at 7:00 a. m. Rig up. Acidize with 30,000 gallons of 15% HCl; started at 9:30 a. m. and finished at 7:00 p. m.
- 10/3/71
(74 d) Went to rig at 7:00 a. m. Open to dispose of acid. Well flowed until 11:30 a. m. Start swabbing at 12 noon and swab until 7:00 p. m. Well swabbed dry. Wait until 8:00 p. m. and run log. No fluid. Shut down at 8:00 p. m.
- 10/4/71
(75 d) Crew started work at 7:00 a. m. Well was flowing unspent acid very slowly. Start swabbing well and swab dry at 1:00 p. m. Take out top part of Christmas tree and install blow-out preventor. Pull packer loose and run down to 8900'; pull Bridge Plug loose. Did not circulate. Run to bottom at 9481'. Worked tubing and tried to circulate, but could not circulate or pull back or out as it was plugged with sand. Run in hole with open-end tubing and start swabbing at 11:30 p. m. Swab until 8:00 a. m.

- 9/22/71
(63 d) Start work at 7:00 a.m. 350 lbs. on casing, 50 lbs. on tubing. Bled gas off of casing and tubing. Pump in water to kill well. Mix with 2% potassium chloride. Kill well and take out top part of Christmas tree. Install blow-out equipment. Rig up flow line and pull out of hole. Make up Model R double-grip production packer with 10' of 2-3/8" tubing on bottom with cross-over and 2-7/8" collar. Run in to 6700'. Rig broke down. Crew went home at 6:00 p.m.
- 9/23/71
(64 d) Crew started work at 7:00 a.m. Finish running in hole from 6700' to 9481'. Circulate gas out and rig up valve pumping unit. Pump in 24 bbls. of 15% HCl containing 10 gal. of A-130 Inhibitor, 1 gal. of F-63 DEMulsifier, and 22 lbs. of cobalt. Spot around perforations with tubing hung at 9467'. Displace with 31 bbls. of water with 2% potassium chloride. Pull up 46 singles. In place at 10:50 a.m. Hold until 2:00 p.m. Start swabbing at 2:30 p.m. and swab until 2:45 p.m. Lost swab in hole. Take out top part of Christmas tree. Rig up to reverse swab out of hole. Reverse swab out and rig up the swab. Swab down until we got acid. Set packer at 7980' and swab with water out. Rig up to acidize. Check lines with 41 lbs. pressure. Pump in acid. Broke down formation with 35 lbs. at 3-1/2 to 4 bbls. per minute throughout job. Acid in place at 9:25 p.m. Reverse acid out to sump hole at 9:40 p.m. Start swabbing and swabbing at 7000' at 6:00 a.m.
- 9/24/71
(65 d) Continue swabbing at 7000' and swab to 7980'. Swab down all fluids and shut rig down at 1:00 p.m.
- 9/25/71
(66 d) Start work at 7:00 a.m. Fill 2-3/8" tubing. Take out top part of Christmas tree. Install blow-out equipment. Try to pull packer loose and work packer for 2 hours. Packer came loose. Pick up 46 joints of 2-3/8" tubing. Try to reverse circulation. Pump broke down; called Dowell cement pump truck and reverse circulation; recover perf balls from bottom. Reverse circulation and recover 45 perf balls and O-rings from Permeators with coarse sand and shale. A lot of perf balls were broken.
- 9/26/71
(67 d) Start work at 7:00 a.m. Pull out of hole. Run packer to Vernal and have it dressed by Baker Oil Tools. Go back to rig and run in hole. Reverse-circulate out and find perf balls wedged in tubing while coming out of hole. Found 155 perf balls. Pull packer up to 9368'. Take out blow-out equipment and install top part of Christmas tree. Start swabbing well at 5:30 p.m. Had communication around packer.

9/10/71 (51 d)	Waiting.
9/11/71 (52 d)	Waiting.
9/12/71 (53 d)	Waiting.
9/13/71 (54 d)	Waiting.
9/14/71 (55 d)	Waiting.
9/15/71 (56 d)	Waiting.
9/16/71 (57 d)	Waiting.
9/17/71 (58 d)	Waiting.
9/18/71 (59 d)	Move rig in. Rig up and shut rig down until the 20th.
9/19/71 (60 d)	Rig shut down until the 20th.
9/20/71 (61 d)	Crew started work at 7:00 a. m. Circulate water in well and kill well. Pump in 28 bbls. of 28% HCl containing 8 gallons of A-160 Inhibitor and 22 lbs. of cobalt. Displace with 36 bbls. of water. In place at 10:20 a. m. Work fluid back and forth every 30 minutes for 6 hours and reverse out HCl acid at 4:20 p. m. Run swab.
9/21/71 (62 d)	Crew started work at 7:00 a. m. with 100 lbs. of tubing gas pressure on tubing, 400 lbs. on casing. Glue down tubing. Start swabbing and swab until 4:30 p. m. Swab to bottom at 9450 ' with 240 lbs. on casing. Casing pressure came around at 5:00 p. m. Blow out fluid and shut well in.

8/29/71
(39 d) Crew started at 7:00 a. m. Bled gas off. Pull out to 7842'. Run wire line temperature survey. Looking for hole in casing. Lay down temperature survey. Rig up and swab to 4300'. Rig up temperature survey. Run in to 9543'.

8/30/71
(40 d) Crew started work at 8:00 a. m. Run to bottom at 9543'. Pull out. Rig up wire line. Run Baker Bridge Plug on wire line. Set top of Baker Bridge Plug at 9481'. Run in hole with 149-1/2' STD of 2-3/8" tubing with seating nipple and pup with centralizer on bottom. Hung at 9467'. Crew off at 6:00 p. m.

8/31/71
(41 d) Crew started at 7:00 a. m. Landed tubing. Took out BOP. Install top part of Christmas tree. Tear out rig. Rig released at 4:00 p. m.

9/1/71
(42 d) Waiting.

9/2/71
(43 d) Waiting.

9/3/71
(44 d) Waiting.

9/4/71
(45 d) Waiting.

9/5/71
(46 d) Waiting.

9/6/71
(47 d) Waiting.

9/7/71
(48 d) Waiting.

9/8/71
(49 d) Waiting.

9/9/71
(50 d) Waiting.

8/17/71 Waiting.
(27 d)

8/18/71 Waiting.
(28 d)

8/19/71 Waiting.
(29d)

8/20/71 Waiting.
(30d)

8/21/71 Waiting.
(31d)

8/22/71 Put in dead men for guy lines. Move rig in to Old Squaw's
(32 d) Crossing Unit #3.

8/23/71 B. C. worked on rig.
(33 d)

8/24/71 Started work at 7:00 a. m. Take out top part of Christmas
(34 d) tree. Install 6-inch 1500 series BOP. Pick up to 3-1/8 D. C.
 with 3-3/4" Williams Bit. Pick up 2-3/8" tubing. Pick up
 to 8200'. Shut down at 7:30 p. m.

8/25/71 Start work at 7:00 a. m. 300 lbs. psi on tubing open to suction
(35 d) pit. Finish picking up tubing to 9572' (?) 9609' from measure
 out of hole. Circulate gas out. Pull out. Run cement bond
 log. Rig up to run temp. surv. Gas started to flow. Run in
 hole. Shut rig down at 9:00 p. m.

8/26/71 Run temperature survey log. Looking for casing leak. Run
(36 d) 2-3/8" tubing to bottom at 9609'. Pull out. Run in Baker
 Scraper to 9600'. Circulate gas out Shut down at 8:00 p. m.

8/27/71 Circulate gas out of hole. Run in to bottom. Circulate gas
(37 d) out. Pull out of hole. Run Johnson Bridge Plug on wire line.
 Set top of plug at 9543'. Crew off at 6:00 p. m.

8/28/71 Crew started work at 8:00 a. m. Bled gas down. Run in to
(38 d) 1200'. Bled gas down. Run in to bottom at 9543'. Crew off
 at 4:30 p. m.

8/6/71 Waiting.
(16 d)

8/7/71 Waiting.
(17 d)

8/8/71 Waiting.
(18 d)

8/9/71 Waiting.
(19 d)

8/10/71 Waiting.
(20 d)

8/11/71 Waiting.
(21 d)

8/12/71 Waiting.
(22 d)

8/13/71 Waiting.
(23 d)

8/14/71 Waiting.
(24 d)

8/15/71 Waiting.
(25 d)

8/16/71 Waiting.
(26 d)

7/25/71 (4 d)	Waiting.
7/26/71 (5 d)	Waiting.
7/27/71 (6 d)	Waiting.
7/28/71 (7 d)	Waiting.
7/29/71 (8 d)	Waiting.
7/30/71 (9 d)	Waiting.
7/31/71 (10 d)	Waiting.
8/1/71 (11 d)	Waiting.
8/2/71 (12 d)	Waiting.
8/3/71 (13 d)	Waiting.
8/4/71 (14 d)	Waiting.
8/5/71 (15 d)	Waiting.

- 7/17/71
(61 $\frac{1}{2}$ d/9480')
- Continue to drill from 9302' to 9480'. Drilled 178' in 22 $\frac{1}{2}$ hrs. Bit #19 has 22 $\frac{1}{2}$ hours drilling time. Mud weight = 9.8, viscosity = 45, water loss = 5.2, filter cake = 1/32, pH = 8, solids = 10%.
- 7/18/71
(62 $\frac{1}{2}$ d/9606')
- Continue to drill from 9480' to 9606' and build mud weight to 11#/gal. Pull out 10 stands and run in to bottom. Circulate hole clean and measure pipe out at 6:00 a. m. Mud weight = 11, viscosity = 47, water loss = 5, filter cake = 1/32, pH = 8, solids = 10%.
- 7/19/71
(63 $\frac{1}{2}$ d/9606')
- Continue to measure out of hole. Run Schlumberger log. Finished with logs at 3:30 a. m. Run in hole with Rerun Security Bit = 7 7/8" at 6:00 a. m. Survey = 2° at 9606'. Mud weight = 11, viscosity = 47, water loss = 5, filter cake = 2/32, pH = 8, solids = 10%.
- 7/20/71
(64 $\frac{1}{2}$ d)
- Continue running in hole. Start circulating at 6:45 a. m. Circulate gas to surface in 40 minutes. Returns from the bottom took 75 minutes. Circulate gas out of mud. Build mud weight from 11 to 11.5. Drilled from 9606' to 9630'. Circulate hole clean. Start laying down drill pipe at 12 midnight. Laying down drill pipe at 6:00 a. m. Mud weight = 11.5, viscosity = 47-49, water loss = 5, filter cake = 1/32, pH = 8, solids = 10%.
- 7/21/71
(65 $\frac{1}{2}$ d)
- Continue to lay down drill pipe and collars. Run 4 $\frac{1}{2}$ " 11.6 N-80 L T & C casing. 23 pup joints of 4 $\frac{1}{2}$ " and 41 Permeator joints. Landed guide shoe at 9619'. Put 15 centralizers above our Permeator pipe staggered every 3rd joint on the collar. Cemented with Dowell using 75 sacks/G, 2% D-79, 1% D-60 and .1% D-13R. Tailed in with 415 sacks of 3% D-79, 1% D-60. Cement in place at 8:50 a. m., 7/21/71. Pressure bled off slowly. Landed 4 $\frac{1}{2}$ " casing and installed Christmas tree. Released rig at 10:00 p. m., 7/21/71.
- 7/22/71
(1 d)
- Move drilling rig off location.
- 7/23/71
(2 d)
- Move drilling rig off location.
- 7/24/71
(3 d)
- Waiting on orders.

7/10/71
(54 $\frac{1}{2}$ d/8450')

Continue to drill from 8240' to 8450'. Drilled 210 ft. in 23 $\frac{1}{2}$ hrs. Bit #15 has 45 $\frac{3}{4}$ hrs. drilling time. Mud weight = 9.7, viscosity = 42, water loss = 5.2, filter cake = 1/32, solids = 7%, pH = 7.5.

7/11/71
(55 $\frac{1}{2}$ d/8573')

Continue to drill from 8450' to 8479'. Pull out of hole to change bit. Run in with Bit #16 = Smith 3JS and drill from 8479' to 8573'. Drilled 123 ft. in 16 $\frac{1}{4}$ hrs. Bit #16 has drilled 12 $\frac{1}{4}$ hrs. Survey = 1° at 8479'. Mud weight = 9.7, viscosity = 44, water loss = 5.1, filter cake = 1/32, solids = 7%, pH = 7.5.

7/12/71
(56 $\frac{1}{2}$ d/8678')

Continue to drill from 8573' to 8672'. Pull out of hole; bearings shot. Run in with Bit #17 = Smith 3JS. Drilling at 8678' at 6:00 a.m. Drilled 85' in 15 $\frac{1}{4}$ hrs. Bit #16 drilled 193' in 26 hrs. Mud weight = 9.7, viscosity = 44, water loss = 5, filter cake = 1/32, solids = 7%, pH = 7.5.

7/13/71
(57 $\frac{1}{2}$ d/8875')

Continue drilling from 8678' to 8875'. Drilled 197' in 24 hrs. Bit #17 has drilled 25 $\frac{1}{2}$ hrs. Mud weight = 9.8, viscosity = 44, water loss = 5.2, filter cake = 1/32, solids = 9%, pH = 7.5.

7/14/71
(58 $\frac{1}{2}$ d/8950')

Continue drilling from 8875' to 8932'. Pull out to change bit. Run in with Bit #18 = Smith 4JS 7-7/8" diameter. Cut drilling lines and work on mud lines. Drill from 8932' to 8950'. Drilled 75 ft. in 12 $\frac{1}{4}$ hrs. Bit #17 drilled 261 ft. in 35 hrs. Bit #18 has drilled 18 ft. in 2-3/4 hrs. Mud weight = 9.8, viscosity = 42, water loss = 5.2, filter cake = 1/32, solids = 9%, pH = 7.5.

7/15/71
(59 $\frac{1}{2}$ d/9138')

Continue to drill from 8950' to 9138'. Drilled 188 ft. in 24 hrs. Hours on Bit # 18 = 26-3/4. Survey = 2° at 8950'. Mud weight = 9.8, viscosity = 45, water loss = 5.2, filter cake = 1/32, solids = 9%, pH = 8.

7/16/71
(60 $\frac{1}{2}$ d/9302')

Continue to drill from 9138' to 9302' with Bit # 18 Smith 4JS. Drilled 164 ft. in 18 hrs. Bit #18 has drilled 370 ft. in 44-3/4 hrs. Mud weight = 9.8, viscosity = 48, water loss = 5.2, filter cake = 1/32, solids = 9%, pH = 8.

7/3/71
(47 $\frac{1}{2}$ d/7525')

Continue to drill from 7352' to 7360'. Survey = 1° at 7360'. Drilled from 7360' to 7525' at 6:00 a.m. Drilled 173' in 22 3/4 hrs. Bit #12 has 36 3/4 hrs. drilling time. Mud weight = 9.4, viscosity = 42, water loss = 4.8, filter cake = less than 1/32, solids = 5%, pH = 7.5.

7/4/71
(48 $\frac{1}{2}$ d/7655')

Continue to drill from 7525' to 7600'. Survey = 1° at 7600'. Drill from 7600' to 7655'. Circulate hole clean; pull out of hole. Bearings gone; tripping out at 6:00 a.m. Drilling hours = 19 $\frac{1}{4}$. Mud weight = 9.5, viscosity = 41, water loss = 4.8, filter cake = 1/32, solids = 6%, pH = 8. 3JS Bit #12 has drilled 426' in 56 hrs.

7/5/71
(49 $\frac{1}{2}$ d/7758')

Continue changing Bit. Put on Reamers and stabilizer at 30' and 60' above Bit. Run in hole; drill from 7655' to 7758' at 6:00 a.m. Drilled 103' in 16 $\frac{1}{2}$ hrs. Survey = 1° at 7655'. Mud weight = 9.6, viscosity = 42, water loss = 4.8, filter cake = 1/32, solids = 6%, pH = 8.0.

7/6/71
(50 $\frac{1}{2}$ d/7811')

Continue drilling from 7758' to 7777'. Plug bit with rubber and pull out. Survey = 1 $\frac{1}{2}$ ° at 7777'. Run in with Bit #14 Security S-86. Drill from 7777' to 7810'; plug bit with rubber. Pull out with plugged bit; run in with same Bit #14. Drilling at 7811' at 6:00 a.m. Drilled 53' in 13 hrs. Mud weight = 9.6, viscosity = 42, water loss = 4.8, filter cake = stain, solids = 6%, pH = 8.0.

7/7/71
(51 $\frac{1}{2}$ d/7982')

Continue drilling from 7811' to 7982' with Bit #14 = 7 7/8" Security S-88. Drilled 171' in 24 hrs. Bit #14 has 30 hrs. drilling time. Survey = 1 $\frac{1}{2}$ ° at 7810'. Mud weight = 9.6, viscosity = 38, water loss = 4.8, filter cake = 1/32, solids = 5%, pH = 7.5.

7/8/71
(52 $\frac{1}{2}$ d/8080')

Continue to drill from 7982' to 8080'. Pull out of hole and run in with Bit #15 = Smith 3JS. Running in at 6:00 a.m. Bit #14 drilled 303 feet in 47 hours. Survey = 1 $\frac{1}{2}$ ° at 8080'. Mud weight = 9.6, viscosity = 38, water loss = 5.2, filter cake = 1/32, solids = 5%, pH = 7.5.

7/9/71
(53 $\frac{1}{2}$ d/8240')

Continue running hole. Drill from 8080' to 8240' with Bit #15 Smith 3JS. Drilled 160 ft. in 22 hrs. Survey = 1 $\frac{1}{4}$ ° at 8240'. Mud weight = 9.6, viscosity = 44, water loss = 6, filter cake = 1/32, solids = 7%, pH = 7.5.

6/25/71
(39 $\frac{1}{2}$ d/6206')

Continue to drill from 5986' to 6206'. Drilled 220 feet in 24 hrs. Bit #9 has drilled 33 $\frac{1}{2}$ hrs. Mud weight = 9.0; viscosity = 40, water loss = 5.5; filter cake = 2/32; pH = 8.

6/26/71
(40 $\frac{1}{2}$ d/6425')

Continue to drill from 6206' to 6425'. Drill 219' in 24 hrs. Bit #9 has drilled 56 $\frac{1}{2}$ hrs. Mud weight = 9.2, viscosity = 38-40, water loss = 5.2, pH = 8, solids = 6%.

6/27/71
(41 $\frac{1}{2}$ d/6610')

Continue to drill from 6425' to 6610'. Drilled 185' in 23 hrs. Circulate hole for $\frac{1}{2}$ hr. Survey = $\frac{1}{2}$ hr. = 1 degree @ 6610'. Bit #9 = 709' in 79 $\frac{1}{2}$ hrs. Mud weight = 9.1, viscosity = 43-45, water loss = 5, filter cake = stain, pH = 7.5, solids = 6%. Pulling out of hole with dull bit at 6:00 a.m.

6/28/71
(42 $\frac{1}{2}$ d/6764')

Continue to circulate. Pull out of hole to change Bit. Change rubber on stabilizer. Run in hole with Bit #10, Smith 3JS. No fill in hole. Drill from 6610' to 6764'. Drilled 154 ft. in 17 $\frac{1}{2}$ hrs. Mud weight = 9.2, viscosity = 42, water loss = 4.8, mud cake = stain, pH = 7.5, solids = 7%.

6/29/71
(43 $\frac{1}{2}$ d/6916')

Continue to drill from 6764' to 6915'. Bit #10 locked up after drilling 305 ft. in 34 $\frac{1}{2}$ hrs. (Bit teeth broken off and all cones locked up.) Circulate hole clean and pull out of hole. Run in with Bit #11 = Smith 4JS. Drilling at 6916' at 6:00 a.m. Survey at 6916' = 1 $\frac{1}{4}$ degrees.

6/30/71
(44 $\frac{1}{2}$ d/7069')

Continue to drill with Bit #11 Smith 4JS from 6916' to 7069'. Drilled 153' in 21 $\frac{3}{4}$ hrs. averaging 7' per hr. Weight on Bit = 40,000 lbs, mud weight = 9.1, viscosity = 40, water loss = 4.8, mud cake = stain, pH = 8, solids = 6.

7/1/71
(45 $\frac{1}{2}$ d/7213')

Continue to drill from 7069' to 7213'. Drilled 144' in 24 hrs. Bit #11 has 46 hrs. drilling time, with an average of 6.5 ft/hr. Mud weight = 9.4, viscosity = 44, water loss = 4.8, filter cake = stain, solids = 6%.

7/2/71
(46 $\frac{1}{2}$ d/7352')

Continue to drill from 7213' to 7229'. Circulate hole clean. Pull out Bit #11 and run in with Bit #12 = 7 $\frac{7}{8}$ " Smith 3JS. Drill from 7229' to 7352'. Drilled 131' in 16 hrs. Bit #12 has drilled 121' in 14 hrs. Bit #11 drilled 314' in 48 $\frac{1}{4}$ hrs. Mud weight = 9.3, viscosity 45, water loss = 4.8, filter cake = stain, solids = 5%. Drilling at a rate of 7 to 9 minutes per foot = 175 feet per day.

6/19/71
(33 $\frac{1}{2}$ d/5164')

Continue to drill from 5139' to 5164'. Circulate hole clean. Survey at 5164' = 0°. Mix gel and barite for heavy mud pill and pump down drill pipe. Pull out of hole. Rig up and run 9 5/8" casing. Run 27 joints N-80, 40#, L T and C, = 1113'; run 30 joints K-55, 40#, S T and C, = 1208.40'; run 69 joints, K-55, 36#, = 2804.95'; landed with 1 joint, N-80, 40#, L T and C = 41.30'; total length of casing run = 5,167.65'. Run guide shoe on foot and insert in first collar. Use thread lock on first 3 collars. Run centralizer in middle of first joint and 3 additional centralizers one on every second collar. Circulate hole clean. Cement with Dowell. Start mixing cement at 4:05 a.m. 290 sacks neat cement with 3% D-79; follow with 200 sacks of neat cement with 2% calcium chloride. Finished at 4:34 a.m.; displace with 390 barrels of water. Cement in place at 5:40 a.m. Good circulation throughout job.

6/20/71
(34 $\frac{1}{2}$ d/5164')

Set slips on 9 5/8" casing. Cut off 9 5/8" casing. Take out 12" = 900 blow-out equipment and install 10" = 900 blow-out equipment, including hydrill. Lay down 7" drill collars.

6/21/71
(35 $\frac{1}{2}$ d/5289')

Continue laying down 7" drill collars. Check positive shut off rams and find lines crossed. Straighten out lines to blow-out preventors and check positive rams to 1,000 psi for 15 minutes = O.K. Pick up 6" drill collars with stabilizer and Bit #8 = 7 7/8" Smith 3 JS. Drill collars' weight = 53#. Found top of cement at 5119'. Drill out top and bottom rubber plug, float insert, cement and guide shoe (at 5164'). Drill new hole from 5164' to 5289'. Mud weight = 8.5, viscosity = 34, water loss = 6.4.

6/22/71
(36 $\frac{1}{2}$ d/5559')

Continue to drill 5289' to 5559'. Drill 270 ft. in 20 $\frac{1}{4}$ hrs.; pack swivel = 2 hrs., Survey = 3/4 hrs. = ? @ 5530'. Mud weight - 8.8, viscosity - 33, water loss = 6, filter cake = 2/32, pH = 8.

6/23/71
(37 $\frac{1}{2}$ d/5808')

Continue to drill 5559' to 5808'. Drill 249 ft. in 24 hrs. Mud weight - 8.8, viscosity - 42, water loss - 6, pH = 7.5.

6/24/71
(38 $\frac{1}{2}$ d/5986')

Continue drilling from 5808' to 5901'. Circulate hole clean. Pull out to change bits. Run in Bit #9 Security SS-86. Drill from 5901' to 5986' at 6:00 a.m. Mud weight = 8.9, viscosity = 39, water loss = 5, pH = 8. Survey at 5901' = $\frac{1}{2}$ degree.

- 6/10/71
(24 $\frac{1}{2}$ d/fishing) Continue making up 10-3/4" wash pipe. Run in hole, circulate clean over top of fish at 4280'. Wash over drill collars from 4280' to 4381'. Circulate hole clean and pull out of hole laying down 10-3/4" wash pipe. Run in hold with jars and bumper sub. Screw into top of drill collars at 4280'. Start jarring on fish at 5:30 a.m. (6/10/71) moving fish very slowly.
- 6/11/71
(25 $\frac{1}{2}$ D/4418') Continue jarring on fish. Start getting more movement on fish at 9:15 a.m. Fish come loose at 9:35 a.m. Pull fish out of hole very slowly. Out of hole at 2:15 p.m. Lay down fishing tools. Run in with rerun Bit #6 Smith 3JS, 12 $\frac{1}{4}$ " dia. Drill out bridges from 4100' to 4385'. Drill new hole from 4385' to 4418' at 8:00 a.m. Mud wt. = 11.0 #/gal., viscosity = 50. Drilling about 18 minutes/ft.
- 6/12/71
(26 $\frac{1}{2}$ d/4502') Continue to drill and condition mud from 4418' to 4502'. Survey at 4430' = 1 degree. Drilled 23 $\frac{1}{2}$ hrs. during last 24 hrs. Bit #6 has total of 53 hrs. drilling. Drilling rate now about 6 to 7 minutes/ft.
- 6/13/71
(27 $\frac{1}{2}$ d/4583') Continue to drill 4502' to 4579'. Circulate hole clean and pull out Bit #6 (#6 drilled 661' in 71 $\frac{1}{2}$ hrs). Run in Bit #7 Smith 3JS and drill from 4579' to 4583' (at 6:00 a.m.) Bit #7 drilled 4 ft. in 3/4 hrs. Drilled 19 $\frac{1}{4}$ hrs. in last 24 hrs.
- 6/14/71
(28 $\frac{1}{2}$ d/4705') Continue to drill from 4583' to 4705' (at 6:00 a.m.) Avg. about 5 ft/hr.
- 6/15/71
(29 $\frac{1}{2}$ d/4825') Continue to drill from 4705' to 4825'. Drill 120 ft. in 24 hrs. Bit #7 has drilled 48-3/8 hrs.
- 6/16/71
(30 $\frac{1}{2}$ d/4948') Continue to drill from 4825' to 4948'. Drilled 123 ft. in 24 hrs. Bit #7 has drilled 72-3/4 hrs.
- 6/17/71
(31 $\frac{1}{2}$ d/5025') Continue to drill from 4948' to 5025'. Drilled 87 ft. in 24 hrs. Bit #7 has drilled 96 3/4 hours. Start cutting some red shales at about 4900'. Cutting heavy sticky clays with some red colors from 4950' to 5025' which slows penetration rate.
- 6/18/71
(32 $\frac{1}{2}$ d/5139') Continue to drill from 5025' to 5139'. Drill 119 ft. in 24 hrs. Bit #7 has drilled for 120 3/4 rotating hours.

- 6/2/71 Take down old derrick. Raise new derrick about 7:30 p. m.
- 6/3/71 Rigging new derrick. Put new rams in BOP. Rig up 12" Hydril.
- 6/4/71 to
6/5/71
(19 $\frac{1}{2}$ d/fishing) Enter well. Screw into drill pipe and back off top joint which was split. Remove split joint. Screw into drill pipe again and circulate drilling mud through perforations at 2943' to 2946'. Back off drill pipe at 2987' and pulled out of hold. Washed over drill pipe to 3165'. Pulling out of hole @ 6:00 a. m. 6/5/71.
- 6/5/71 to
6/6/71
(20 $\frac{1}{2}$ d/fishing) Continue pulling out of hole. Pick up cutters, jars and bumper sub. Run in hole and cut drill pipe at 3127'. Circulate hole clean. Pull out 4 single jts plus a 3' piece. Make up overshot bumper sub, and jars. Run in hole and get hold of fish at 3127'. Run feeler bar to 4370'; Unable to circulate through drill bit. Run free point indicator and work pipe to find free point. Free to top of collars but unable to get free point below top of drill collars. Back off pipe at top of drill collars at 3820' ft. Pull up 2 ft. and circulate hole clean and build up mud volume. Hole continues to take moderate amount of mud. Pulling fish out of hole at 6:00 a. m., 6/6/71.
- 6/6/71 to
6/7/71
(21 $\frac{1}{2}$ d/fishing) Continue to pull fish out of hole. Out of hole by 7:00 a. m. Lay down fishing tools and drill pipe. Pick up 9-5/8" wash pipe and jars. Run in and wash over fish from 3820' to 4130'. Wash through many bridges. Circulate hole for 2 hrs. Pull out of hole and stand back wash pipe. Run in with jars and bumper sub. Screw into top of fish. Unable to circulate through drill bit. Worked pipe which was free to 4190'. Back off drill collars at 4158'. Pulling out of hole with drill collars from 3820' to 4158' at 6:00 a. m., 6/7/71.
- 6/8/71
(22 $\frac{1}{2}$ d/fishing) Continue pulling out of hole and lay down drill collars from 3820' to 4158'. Run in with 9-5/8" wash pipe. Wash over 8" drill collars from 4158' to 4319'. Reach rubber stabilizer. Pull up and circulate hole clean. Pull out and stand back wash pipe. Make up jars and bumper sub. Running in hole at 6:00 a. m. (Wash pipe could not cut through rubber stabilizer.)
- 6/9/71
(23 $\frac{1}{2}$ d/fishing) Run in hole. Wash out 20 ft of fill--screwed into drill collar and jar from 9:00 a. m. to 12:30 p. m. Move fish uphole about 7 feet. Run free-point indicator and work pipe. Back-off four drill collars; one 7" and three 8" drill collars (124. 61'). Pull fish and stand back in derrick. Run 12 $\frac{1}{4}$ " Smith K-2 drill bit (rerun) and ream hole to 4275'. Lost about 100 bbls of mud while reaming. Circulate hole clean. Pull out 12 $\frac{1}{4}$ " drill bit. Making up 10-3/4" wash pipe at 6:00 a. m.

Unable to close blow-out preventors due to Kelley extending through the BOP. Unable to extinguish fire by 6:00 a. m.

5/29/71
(daytime op)

Continue trying to extinguish fire. Fire extinguished at 7:45 a. m. Rig up to kill well. Unable to kill gas flow. Shut down at 8:00 p. m. ; no lights available. Pusher and crew on well-watch overnight.

5/30/71
(daytime op)

Start work at 8:00 a. m. Try to kill well by pumping 100 bbls of 10 #/gal mud down annulus (Unable to pump down drill pipe--drill string plugged), but mud blows out. Mix 10.7 #/gal mud and pump in 90 bbls to fill annulus. Well blew out in 17 minutes. Well unloading at 30 minute intervals and then at 15 to 20 minute intervals with large volumes of formation water temporarily killing well between each blow out. Rig up to change drilling line and to change goose-neck. Shut down operations at rig @ 8:25 p. m. with no lights. Continue to mix mud.

5/31/71
(daytime op)

Start operations at 5:00 a. m. Finish installing goose-neck on swivel. Put on new Kelley hose. Rigging system to run sinker bars. Now have 1000 bbls of 12 #/gal mud mixed and ready to kill well. At 2:00 p. m. well died abruptly; apparently bridged over. Run sinker bar inside drill pipe and find obstruction at 3023'. Run perforating guns and perforate 3 holes from 2943' to 2946'. Start circulating through perforation with 12 #/gal mud containing some lost circulation material. Pump rate of 4 bbls/min at 2000 psi indicates two perforation holes probably plugged and only one hole open. When some diluted mud reached surface, circulation was lost. Stop pumping for one hour, and then pump 35 bbls of mud down annulus. Stop pumping for another 30 minutes and then fill hole by pumping 29 bbls down annulus. Fluid level dropped again. Then pump down drill pipe with 50 bbls containing a heavier concentration of lost circulation material and displace with regular mud. Pump rate of 4 bbls/min at 700 psi indicate that all 3 perforation holes are now open. Fluid to surface after pumping 40 bbls of displacement mud and then lost circulation again. After an additional 20 bbls of displacement, obtain full circulation returns by 11:00 p. m. Continue to circulate and mix additional mud overnight.

6/1/71

Cut mud to 11 #/gal and circulate hole. Mud consists of gel lignite, barite, and lost circulation material (approx 1500 bbls of mud mixed to date). Back off drill pipe 57 $\frac{1}{2}$ ft below K. B. Lay down Kelley and 1 jt of drill pipe. Close blind rams in BOP. Preparing to take down old derrick and rig up new derrick.

- 5/21/71
(4 $\frac{1}{2}$ d/958') (4 $\frac{1}{2}$ days since spud; 958' @ 6:00 a. m.) Continue to drill. Survey at 367' = $\frac{1}{4}$ degree. Survey at 760' = $\frac{1}{2}$ degree. Drilling at 958' @ 6:00 a. m. Bit #3 has drilled 720' in 29 hours for an average of 24.9 ft/hr.
- 5/22/71
(5 $\frac{1}{2}$ d/1414') Continue drilling from 958' to 1028'. Pull Bit #3, (Bit #3 made 780' in 37 hrs). Survey 1028' = 1 degree. Run in bit #4, Smith 4JS-12 $\frac{1}{4}$ "; Drilling 20 ft/hr at 1414' at 6:00 a. m.
- 5/23/71
(6 $\frac{1}{2}$ d/1812') Continue drilling from 1414' to 1812'. Drill 403' in 23 $\frac{1}{2}$ hrs; 40-3/4 hrs on bit #4, Survey 1775' = 1 $\frac{1}{2}$ degrees.
- 5/24/71
(7 $\frac{1}{2}$ d/2223') Continue drilling from 1812' to 2100', Survey @ 2100' = 1-3/4 degrees. Drilling at 2223' @ 6:00 a. m. Drill 412' in 23 $\frac{1}{4}$ hrs; Survey = 3/4 hrs; Bit #4 drilled 1195' in 64 $\frac{1}{2}$ hrs.
- 5/25/71
(8 $\frac{1}{2}$ d/2525') Continue drilling from 2223' to 2360'. Run Survey @ 2360' = 2 $\frac{1}{4}$ degrees. Pull out, pick up shock sub, stabilized, three more dull collars and Bit #5 (Drill collars now used = six 8" plus twelve 7"). Bit #5 in Security S-88. Put new rubbers on top rams. Run in hole. Drill from 2360' to 2525'. Now drilling 25 to 30 ft/hr at 2525' at 6:00 a. m. Survey @ 2430' = 1-3/4 degrees. Bit #4 drilled 1332' in 71-3/4 hrs; Bit #5 has drilled 165' in 7 $\frac{1}{4}$ hrs. Drilled very rough before putting on shock sub and is drilling smooth now with shock sub. Bit #4 could be rerun for another 15 to 30 hrs probably. Stabilizer is now correcting hole drift from 2 $\frac{1}{4}$ degrees at 2350' to 1-3/4 degrees at 2430'.
- 5/26/71
(9 $\frac{1}{2}$ d/3070') Continue Drilling from 2525' to 3070' = 545 ft in 22 $\frac{1}{2}$ hrs. Bit #5 = 30 $\frac{1}{4}$ hrs. Survey 2700' = 1-3/4 degrees; 3000' = 1 $\frac{1}{4}$.
- 5/27/71
(10 $\frac{1}{2}$ d/3634') Continue drilling 3070' to 3634'. Drilled 564' in 23 $\frac{1}{4}$ hrs. Survey at 3400' = 1 $\frac{1}{4}$ Degrees. Total Time on Bit #5 = 53 $\frac{1}{2}$ hrs. drilling 1274'. Well now making about 2" stream of formation water.
- 5/28/71
(11 $\frac{1}{2}$ d/4010') Continue drilling with Bit #5 from 3634' to 3918', Pull out Bit #5, S-88 with 1558' cut in 65 hrs. Run in with Bit #6; Smith 3JS, Drill 3918' to 4010'. Drilled 376' in 16 $\frac{1}{2}$ hrs this 24 hr period. Bit #6 has drilled 92' in 5 hrs. Survey at 3900' = 1 $\frac{1}{4}$ degrees. Cut drilling line. Flow of formation water increasing with depth.
- 5/29/71
(12 $\frac{1}{2}$ d/4385') Continue drilling 4010' to 4385' at 1:00 a. m. 19 hrs drilling. Well blew out while drilling 8' drilling break in excess of one ft/min at 1:00 a. m. Gas blow-out caught fire and burned

OAB

Daily Drilling Report
Old Squaw's Crossing Unit #3
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10, T 10S., R. 20 E, SLM
Uinta County, Utah
Elev. = 5039' gr.; Spud 6:30 p. m.
5/16/71

Date
(drlg days/depth)

Description

5/16/71
(0d / 0')

(0 days; 0 depth) 6:00 a. m. Mixing mud.

5/17/71
($\frac{1}{2}$ d/120')

($\frac{1}{2}$ day since spud; 120 ft at 6:00 a. m.) Dynadrilled rat hole and mouse hole with 13-3/4" bit; Rig up to drill with "B" re-run. 17 $\frac{1}{2}$ " bit from OSC #2 well. Spud at 6:30 p. m. 5/16/71; drill 50 ft. and pull out to change bit; Survey = $\frac{1}{2}$ degrees; Run "B" re-run 17 $\frac{1}{2}$ " bit; Using gel mud; drlg at 120 ft @ 6:00 a. m.

5/18/71
(1 $\frac{1}{2}$ d/238')

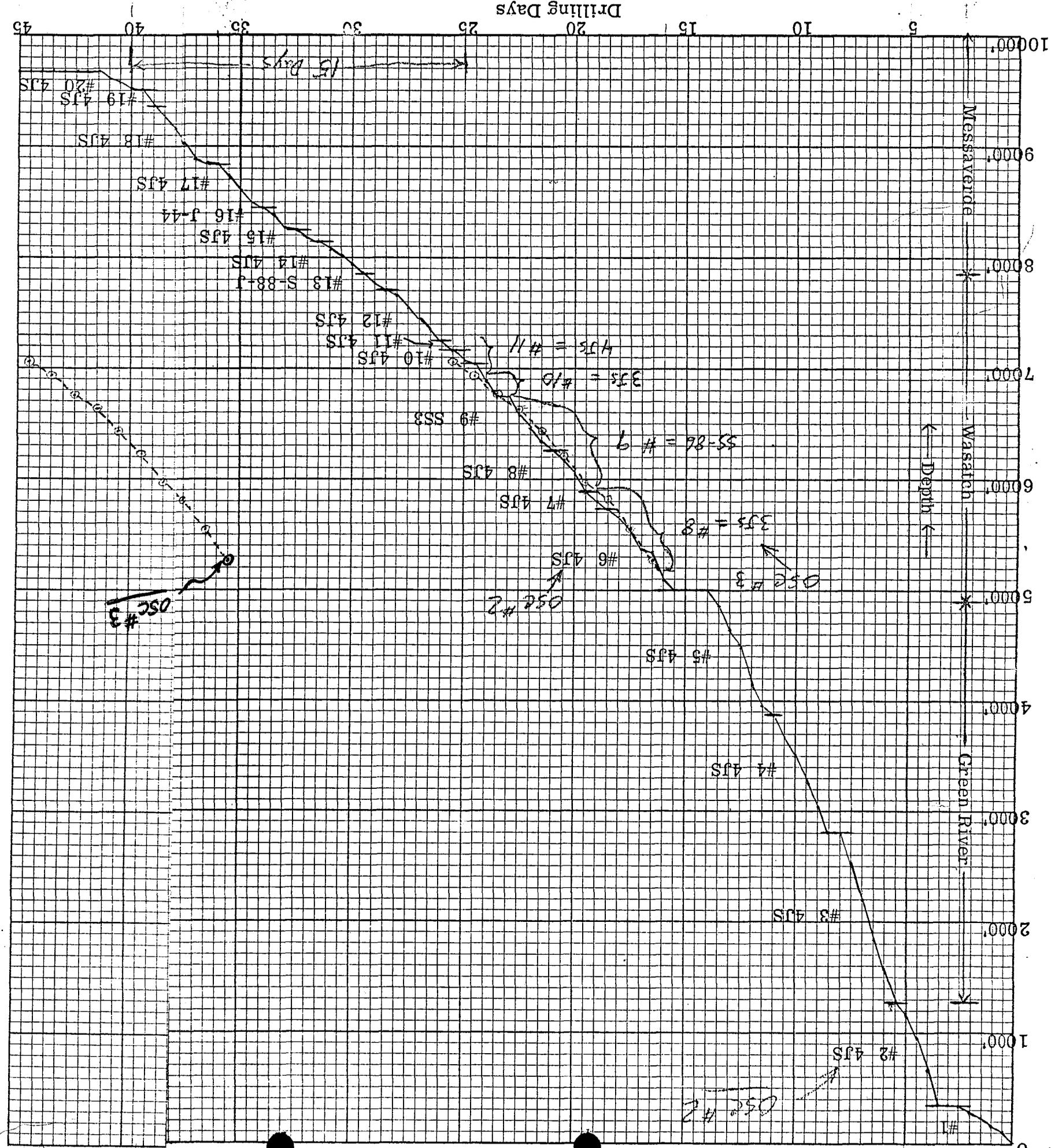
(1 $\frac{1}{2}$ day since spud; 238 ft @ 6:00 a. m.) Continue dynadrill with Bit #2 to 234 ft. Pull out and lay down dynadrill. Run in and continue to drill to 238'. Pull out of hole with dull bit; Run in hole to circulate for running casing; Survey = $\frac{1}{2}$ degree; Pull out of hole; Try to run 13-3/8" casing; Stopped at 50 ft. Work casing; Pull casing out of hole. Run reamer. Reaming hole at 45 ft. at 6:00 a. m. Using gel mud.

5/19/71
(2 $\frac{1}{2}$ d/238')

Continue reaming tight hole to 238 ft. Run 7 jts. of 13-3/8", ST & C, 48#, (218.27 ft) plus one landing jt. 26.09', landed 17' below rotary table. Centralizers on first collar and on guide shoe. Tack first two collars with welding compound. Use Dowell to cement. Use 300 sacks of class G cement, 5% D-43, and $\frac{1}{4}$ #/sk Clinton Flake, Density + 15.8 #/gal. Start mixing @ 2:28 p. m., displace with 33 bbls of water; cement in place @ 2:40 p. m. with 500 psi on baffel plate. Good returns to surface. Guide shoe at 238". Held pressure to 6:00 p. m. Release pressure and install 900 series 12" casing head. Installing blow out preventors at 6:00 a. m.

5/20/71
(3 $\frac{1}{2}$ d/390')

(3 $\frac{1}{2}$ days since spud; 390' @ 6:00 a. m.) Continue to install BOP. Test rams at 1000 psi, ok. Rig up and ran bit #3 = Smith K2J, 12 $\frac{1}{4}$ ". Test pipe rams @ 1000 psi = ok. Drill out rubber plug at 204', baffel @ 206', cement to 237', guide shoe @ 238'. Pull out to unplug bit. Run in and drill to 390' @ 6:00 a. m. Now drilling at 25'/hr.



Drilling Days

45

40

35

30

25

20

15

10

5

10000'

9000'

8000'

7000'

6000'

5000'

4000'

3000'

2000'

1000'

0'

Messavade

Wasatch

Green River

Depth

15 Days

#19 4JS
#20 4JS

#18 4JS

#17 4JS

#16 J-44

#15 4JS

#14 4JS

#13 S-88-J

#12 4JS

#11 4JS

#10 4JS

#9 SS3

#8 4JS

#7 4JS

#6 4JS

#5 4JS

#4 4JS

#3 4JS

#2 4JS

#1

4JS = #11
3JS = #10

55-86 = #9

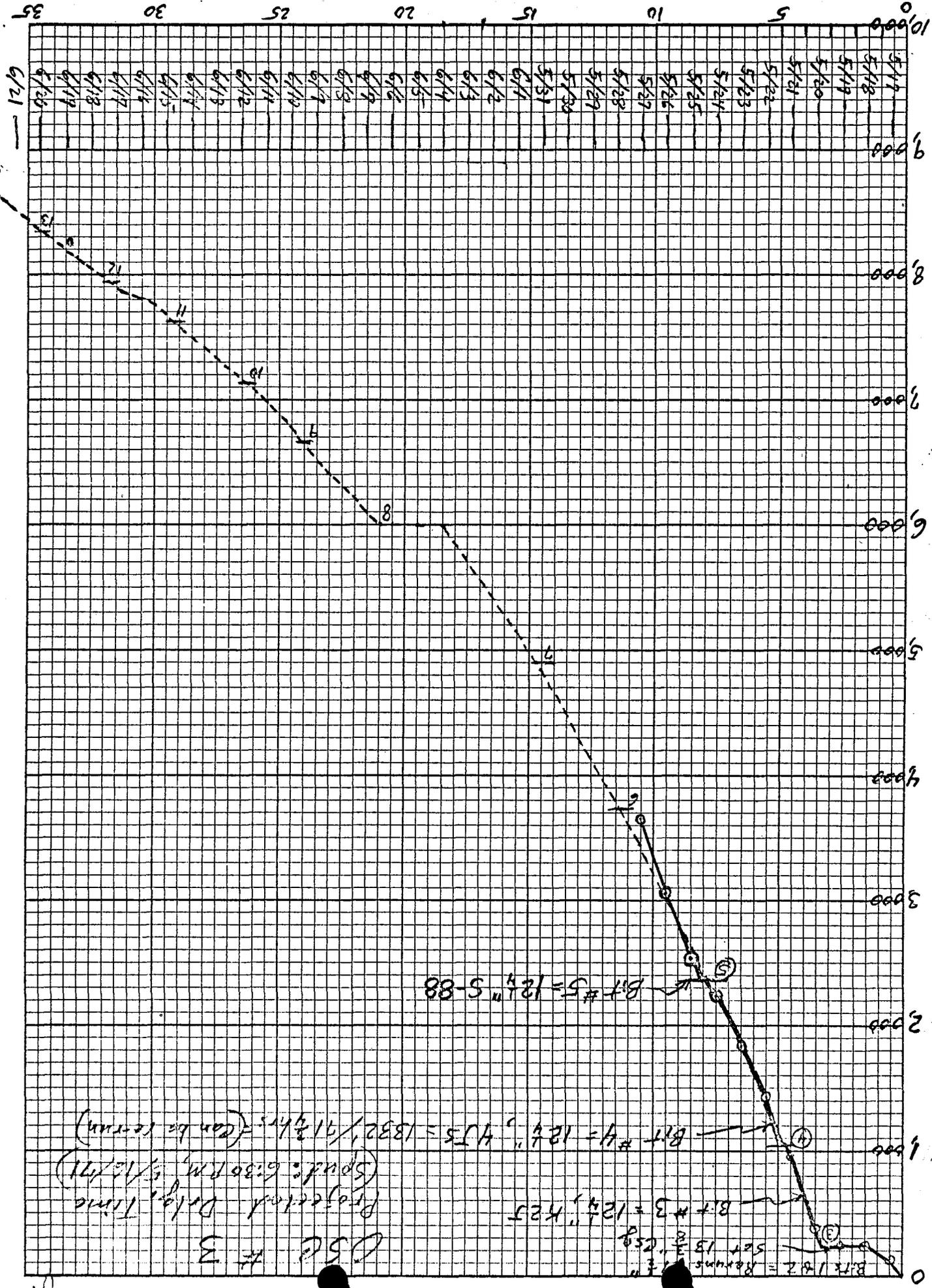
3JS = #8

OSC #2

OSC #3

OSC #2

9/16

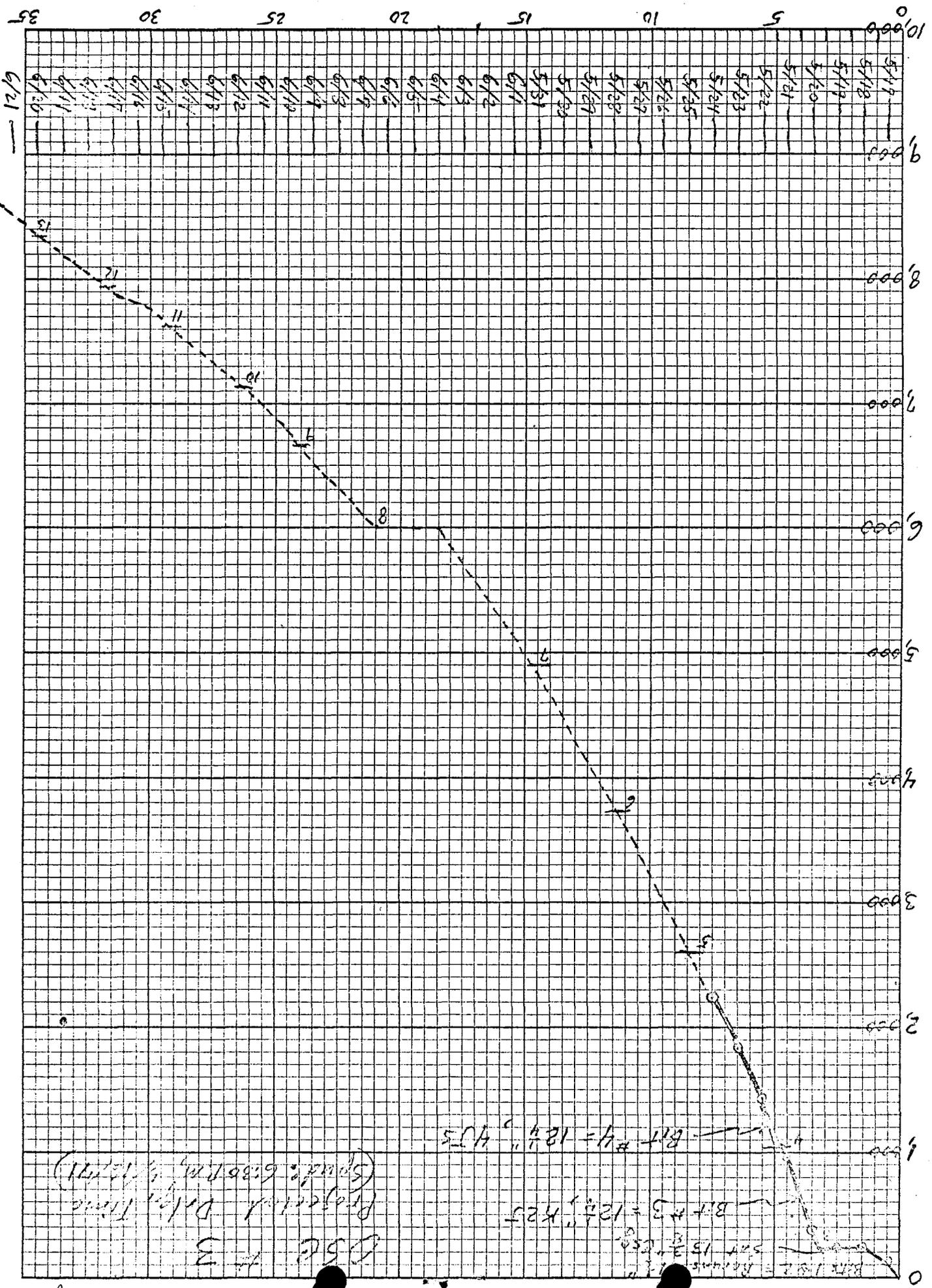


BIT # 5 = 1200 S-88

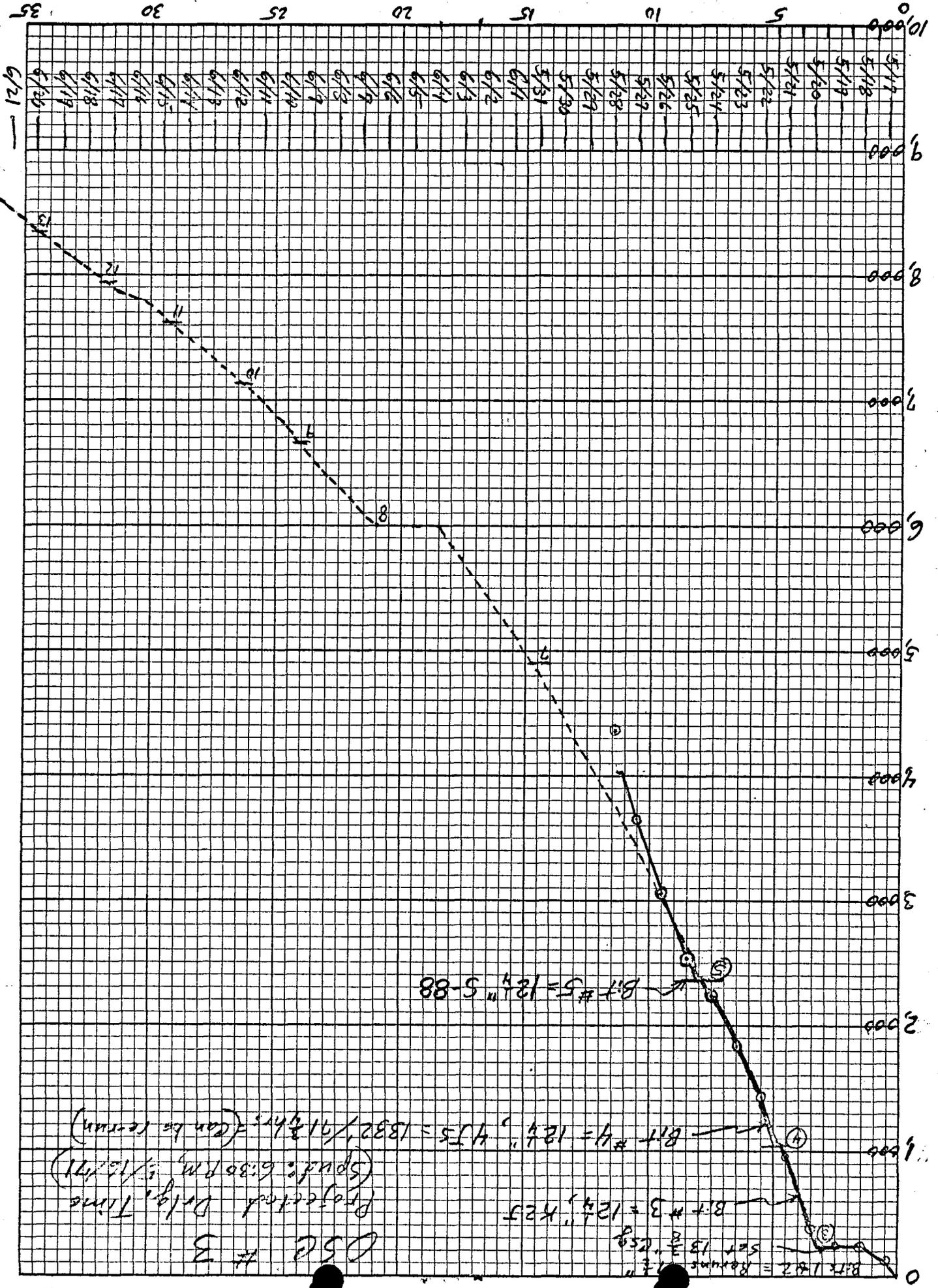
BIT # 4 = 1200
 BIT # 3 = 1200 KEF
 BIT # 2 = 8000
 Spuds: 6:30 PM, 5/12/71
 Projected Data, Time
 (can be terrain)

DSE # 3

"DUPLICATE COPY"



QMB



11/10

GENERAL HYDROCARBONS CORPORATION

Daily Drilling Report
Page Sixteen

Old Squaw's Crossing Unit Well No. 3
SW 1/4 NE 1/4 Sec. 10, T.10S., R20E, S1M
Uintah County, Utah

1/28-3/31/74

Well shut in.

4/1/74

Unloaded condensate and water from the well as follows:
Shut in casing pressure was 3210 PSI and tubing pressure was 1175 PSI @ 11:30 AM. Opened well from the tubing to the flare pit at 11:30 AM. Tubing pressure bled to 0 PSI by 11:40 AM followed by a small flow of condensate and water. Flow gradually increased to strong flow and unloaded the fluid from the well by 4:03 PM. Closed tubing in at 4:03 PM. Immediate shut in pressures at 4:03 PM were: Casing 2350 PSI.
Tubing 2250 PSI.

4/4/74

Shut in well head pressures @ 3:15 PM were as follows:
Tubing = 2880 PSI, casing = 3090 PSI. Opened well to flow from tubing to flare pit @ 3:20 PM. Unloaded condensate and water from well by 3:23 PM. Recovered approx. 2 bbls. of total fluid. Closed tubing in @ 3:25 PM. Shut in tubing & casing pressures at 3:35 PM were both 2000 PSI. Well continues to be shut in.

PI

GENERAL HYDROCARBONS CORPORATION

Daily Drilling Report
Page Fifteen

Old Squaw's Crossing Unit Well No. 3
SW 1/4 NE 1/4 Sec. 10, T.10S., R20E, SLM
Uintah County, Utah

12/8-9/73

Well shut in.

12/10/73

Tubing pressure 310 psi; casing pressure 2865 psi
at 1:40 P.M.

12/11/73

Tubing pressure 325 psi; casing pressure 2940 psi
at 3:30 P.M.

12/12/73

Well shut in.

12/13/73

Tubing pressure was 340 psi; casing pressure 3040 psi
at 3:05 P.M.

12/14-12/15/73

Well shut in.

12/16/73

TBG Pressure 350 PSI, CSG Pressure 3050 PSI @ 1:00 PM.

Well shut in waiting on orders; no reports will
be made until additional work is commenced.

12/17/73-1/14/74

Well shut in.

1/15/74

At 1:30 PM, casing pressure was 3160 PSI and shut in
tubing pressure was 0 PSI. Opened tubing to atmosphere.
No bleed down pressure.

1/16/74

Well shut in.

1/17/74

Attempted to get to location this AM. Present plans are
to equalize tubing and casing pressure with casing pres-
sure and to attempt to unload tubing.

1/18-1/25/74

Well shut in.

1/26/74

Equalized casing & tubing pressures. Casing pressure
declined from 3190 PSI to 2900 PSI while increasing
tubing pressure from 0 PSI to 2900 PSI. Completed equal-
izing pressure at 2:30 PM.

1/27/74

Casing & Tubing pressure were 2940 PSI @ 11:30 PM. Opened
tubing to flow to flare pit through wide open 2" adjust-
able choke. Tubing pressure declined to 0 PSI in 3.5
minutes flowing time. Tubing remained open to flare
pit for 1.5 hours, following blow down of tubing pressure
No fluid was recovered from tubing during blow down or
following interval that tubing remained open. Casing
pressure declined from 2940 PSI to 2710 PSI while blow-
ing tubing pressure to 0 PSI. Closed tubing at 1:10 PM,
1-27-74.

GENERAL HYDROCARBONS CORPORATION

Daily Drilling Report
Page Fourteen

Old Squaw's Crossing Unit Well No. 3
SW 1/4 NE 1/4 Sec. 10, T.10S., R20E, SLM
Uintah County, Utah

11/27/73

At 11:00 A.M. casing pressure was 1225 psi and tubing pressure was 550 psi.

11/28/73

At 11:15 A.M. casing pressure was 1475 psi and tubing pressure was 575 psi. Preparing to flow well to dry and unload fluid.

11/29/73

At 11:05 A.M. tubing pressure was 0 psi and casing pressure was 1715 psi. Flow test results are listed below. Opened well at 11:20 A.M. blowing dry gas.

<u>Time</u>	<u>Tubing Pressure</u>	<u>Casing Pressure</u>
11:22 AM	100 psi	1425 psi
11:23 AM	35 psi	1425 psi
11:24 AM	0 psi	1420 psi
11:25 AM	0 psi	1420 psi
11:30 AM	0 psi	1420 psi
11:35 AM	0 psi	1420 psi
11:40 AM	0 psi	1420 psi
11:45 AM	0 psi	1420 psi
11:50 AM	0 psi	1420 psi
11:55 AM	0 psi	1420 psi

Well did not unload fluid. Shut in at 11:55 A.M.

11/30/73

Well shut in.

12/1/73

Tubing pressure 25 psi; casing pressure 1965 psi at 12:20 P.M.

12/2-3/73

Well shut in.

12/4/73

Tubing pressure 100 psi; casing pressure 2620 psi @ 12:30 PM

12/5/73

Tubing pressure 175 psi; casing pressure 2750 psi @ 3:45 P.M.

12/6/73

Tubing pressure was 210 psi; casing pressure was 2790 at 2:45 P.M.

12/7/73

Tubing pressure 240 psi; casing pressure 2825 psi @ 1:10 P.M.

GENERAL HYDROCARBONS CORPORATION

Daily Drilling Report
Page Thirteen

Old Squaw's Crossing Unit Well No. 3 SW 1/4
NE 1/4 Sec. 10, T.10S., R20E, SLM Uintah
County, Utah

11/20/73

Rigged up to swab fluid out of hole. Well standing full of fluid. Ran swab to 1400 feet; re-ran swab to 1600 feet and well came in at 1:05 P.M. Blew well from 1:05 P.M. to 2:22 P.M. Shut well in with 2000 psi on casing and 1800 psi on tubing. Released swab rig from well.

11/21/73

Well remained shut in.

11/22/73

At 4:10 P.M. tubing pressure was 1850 psi; casing pressure was 2240 psi. Blew water out.

11/23/73

At 9:45 A.M. casing pressure was 1860 psi and tubing pressure was 1660 psi. Well opened at:

<u>Time</u>	<u>Tubing Pressure</u>	<u>Casing Pressure</u>
9:50 A.M.	1400 psi	1825 psi
9:55 A.M.	1200 psi	1750 psi
10:00 A.M.	1000 psi	1625 psi
10:04 A.M.	900 psi	1525 psi
10:07 A.M.	1250 psi	1500 psi
10:14 A.M.	1325 psi	1375 psi

Fluid out except for spray.

11/24-25/73 inclusive

Well shut in.

11/26/73

Tubing and casing pressures as follows:

<u>Time</u>	<u>Tubing Pressure</u>	<u>Casing Pressure</u>
11:42 A.M.	1075 psi	1550 psi
11:50 A.M.	200 psi	1500 psi
11:55 A.M.	50 psi	1400 psi
12:02 P.M.	0 psi	1300 psi

At 12:18 P.M. tubing started to unload water, approximately 7 barrels of water and one barrel condensate; casing pressure was 1150 psi and unloading water. Water was out at 12:34 P.M. and casing pressure was 1125+ psi. Tubing pressure came back to 200 psi. Then pulled tubing pressure down to 50 psi and casing pressure to 495 psi. Closed in at 12:38 P.M. with tubing pressure back to 450 psi and casing pressure at 490 psi.

FORM OGC-8-X

FILE IN QUADRUPLICATE

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

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Old Squaw's Crossing Unit #3
Operator General Hydrocarbons Corp. Address 209 Eighth Ave. S. W., Suite 206
Calgary 2, Alta. Canada Phone (403) 264-3229
Contractor Loffland Brothers Co. Address P. O. Box 3000
Casper, Wyo. 82607 Phone (307) 237-2536
Location NW 1/4 SE 1/4 Sec. 3 T. 10 S N R. 20 E E Uinta County, Utah
S W

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. <u>3000'</u>	- <u>4000'</u>	<u>Increasing Trona water flow</u>	<u>Salty</u>
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops:

Green River formation top = approximately 1250'
Wasatch formation top = approximately 4900'
Mesaverde formation top = approximately 7770'

Remarks:

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



CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

GUY N. CARDON
Chairman

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

CHARLES R. HENDERSON
ROBERT R. NORMAN
I. DANIEL STEWART
HYRUM L. LEE

CLEON B. FEIGHT
Director

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
January 12, 1977

Mapco Inc.
Suite 320 Plaza West
1537 Avenue D
Billings, Montana 59102

Attn: Agnes N. Model

Re: Change of operator on following
wells:

- ✓ Old Squaw's Crossing 3
Sec. 10, T. 10S, R. 20E, SW NE
- Old Squaw's Crossing 4
Sec. 30, T. 9S, R. 20E, NW NE
- Old Squaw's Crossing 4A
Sec. 30, T. 9S, R. 20E, NW NE
- Old Squaw's Crossing 5
Sec. 2, T. 10S, R. 18E,
All in Uintah County, Utah

Gentlemen:

This letter is in receipt of the enclosed November Monthly Report of Operations, stating the above mentioned wells as under Mapco Inc. Our records still show above wells under General Hydrocarbons.

In order to keep our records accurate and complete, please write this office a letter and state all wells included in this change of operator. Please include effective date of this change.

Your prompt attention to the above will be greatly appreciated.

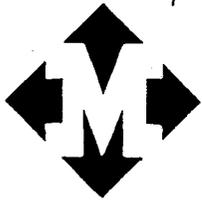
Sincerely,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

/ko

Attachments



mapco
INC.

PRODUCTION DIVISION

January 21, 1977

State of Utah
Department of Natural Resources
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Ms. Kathy Ostler



Re: Wells In Former
Old Squaw's Crossing Unit #3
Uintah County, Utah

Gentlemen:

Your letter of January 12 directed to our Billings, Montana office has been forwarded to us for reply. In that letter you requested information concerning a change of operator on wells within the former Old Squaw's Crossing Unit area.

Effective August 1, 1976 MAPCO Inc. became operator of all the properties previously operated by General Hydrocarbons Corporation within the former Hope Unit and former Old Squaw's Crossing Unit areas. The copy of the "Lessee's Monthly Report Of Operations" which you received in connection with the Old Squaw's Crossing Unit area covers wells 2, 3, 4, 4A and 5. MAPCO Inc. is the operator of those wells. This was as a result of our acquiring all of the operating interests of General Hydrocarbons Corporation. We trust this satisfactorily answers your inquiry.

Very truly yours,

D. D. Ritter
Assistant Manager
Land Department

DDR:jk

cc Agnes N. Model

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 Co.

3. ADDRESS OF OPERATOR
1643 Lewis Avenue, Billings, MT 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SWNE Sec. 10, T10S, R20E
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other)

5. LEASE
007206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
OSC No. 3

10. FIELD OR WILDCAT NAME

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

Sec. 10, T10S, R20E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5039 GR

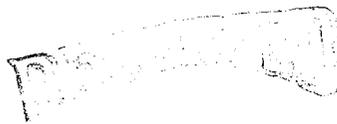
(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Mapco intends to plug and abandon the OSC No. 3. The well has never been productive. Please see the attached P & A procedure.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 2-10-81
BY: [Signature]



FEB 10 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 Engineer Tech. DATE February 4, 1981

(This space for Federal or State office use)

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

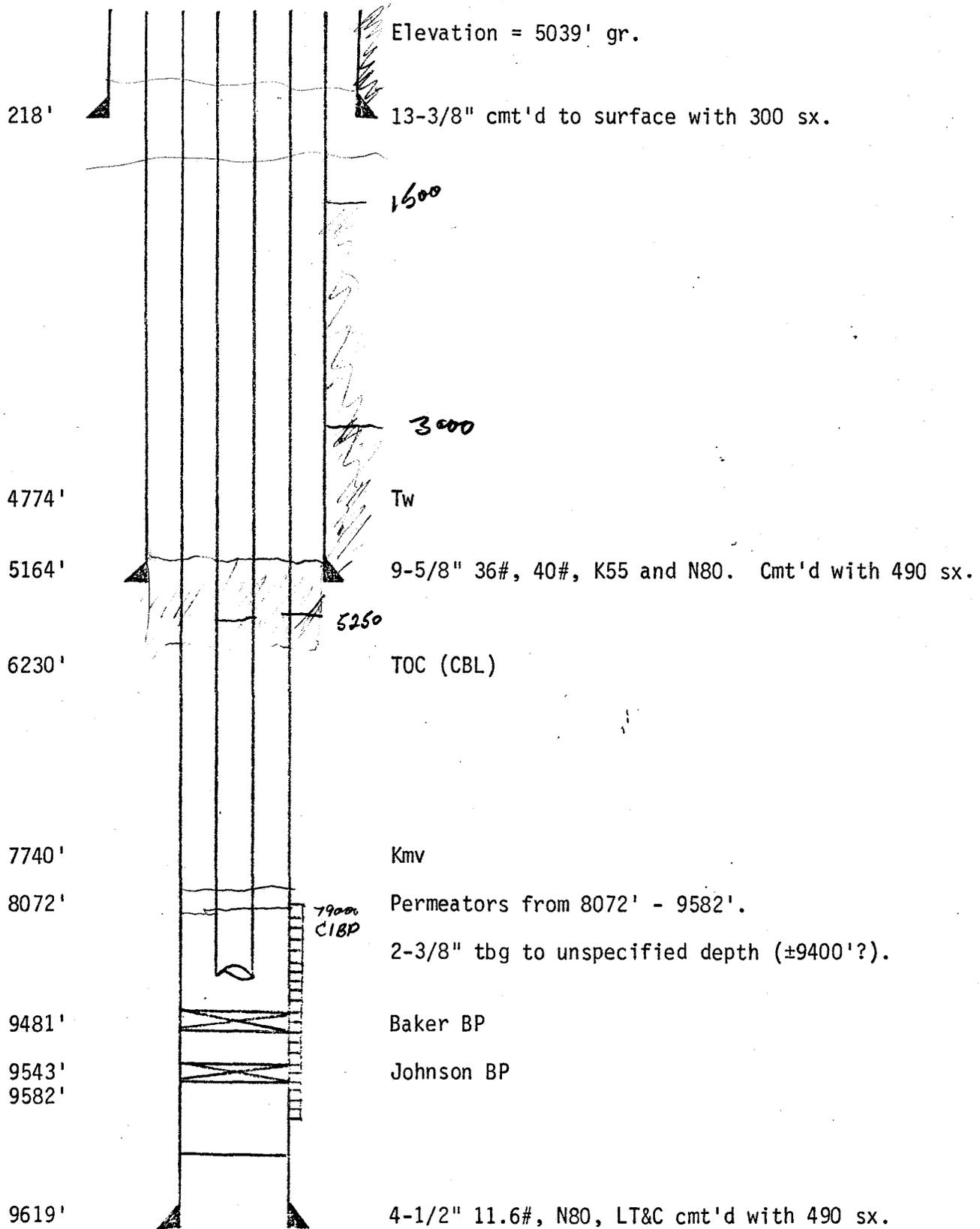
OLD SQUAW CROSSING NO. 3
SW NE SEC 10, T. 10 S., R. 20 E.
UINTAH COUNTY, UTAH

P & A PROCEDURE

1. Open well and bleed off pressure to pit.
2. RU completion rig.
3. Control well with water as necessary.
4. RD tree, NU BOP.
5. POOH and LD 2-3/8" tubing. Leave approximately 5300' in derrick.
6. RU wireline company and RIH and set CIBP to 7900'±. Dump bail ±30' of cement on CIBP.
7. Run CBL-CCL from ±6400' to 200' above the TOC (±6200' from O.W.P. CBL dated 8-25-71. Has no casing collars).
8. Perforate 2' just above the TOC with a 3-5/8" casing gun loaded 4 spf.
9. RU service company and circulate through perfs at a rate of 8-12 BPM. Circulate ±400 Bbls (approximate bottoms up).
10. RU to cement down 4-1/2" casing. Use sufficient volume of cement to raise cement to 5250'. Calculate cement using caliper from SNP log dated 7-18-71.
11. Shut well in overnight.
12. Run free point on 4-1/2" casing.
13. Cut casing. POOH and LD 4-1/2" casing.
14. RIH with 2-3/8" tubing 50' into the 4-1/2" stub. Set a cement plug so that it will fill 50' into the 9-5/8" casing.
15. POOH and LD 2-3/8" tubing.
16. RU WL company and run CBL to find TOC behind 9-5/8" casing. Calculated at ±3000'.
17. Perforate 2' just above TOC with a 4" casing loaded 4 spf.
18. Circulate down casing sufficient volume of water to get bottoms up.
19. RU to cement down 9-5/8" casing. Use sufficient volume to fill to 1500'. Calculate volume based on 50% excess on a 12-1/4" hole.
20. Shut well in overnight.
21. Run free point on 9-5/8" casing.
22. Cut casing and POOH with as much as possible.
23. RIH with tubing to 268'. Set a cement plug from 268' to 168'.
24. LD tubing.
25. Set a 10 sack cement plug on surface inside 13-3/8" casing with dry hole marker. The marker should consist of a piece of pipe 4" or larger in diameter and 10'+ long. Four feet should be above ground with the remainder in cement. The well lease, number and location should be shown on the marker.

JJE/jlu
2-3-81

OLD SQUAW CROSSING NO. 3
 SW NE SEC 10, T. 10 S., R. 20 E.
 UINTAH COUNTY, UTAH



JJE
 2-3-81

**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 Co.

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: SW NE Sec. 10, T. 10 S., R. 20 E.
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
71-007206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
River Bend

8. FARM OR LEASE NAME

9. WELL NO.
OSC #3

10. FIELD OR WILDCAT NAME

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

12. COUNTY OR PARISH
Uintah

13. STATE
UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5039' GL

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 checked="" type="checkbox"/>
(other)			

(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.)*

2-25-81 Set CIBP @ 7928', set 30' cmt on top of BP
 2-27-81 Cut 4-1/2" csg @ 5196'. POOH with 163 jts.
 2-28-81 Set 40 sx plug. 50' cmt in 4 1/2" stub, 36' in open hole and 14' in 9-5/8" csg. 5150' to 5250'.
 3-04-81 Cut 9-5/8" csg at 2753'. POOH with 67 jts 9-5/8" total. Set cmt plugs at the following depths:

100'	2700' - 2800'	55 sx
200'	1400' - 1600'	144 sx
100'	168' - 268'	75 sx

RECEIVED
APR 8 1981

10 sx surface plug.
See attached well diagram

Subsurface Safety Valve: Manu. and Type _____ DIVISION OF OIL, GAS & MINING _____ Ft.

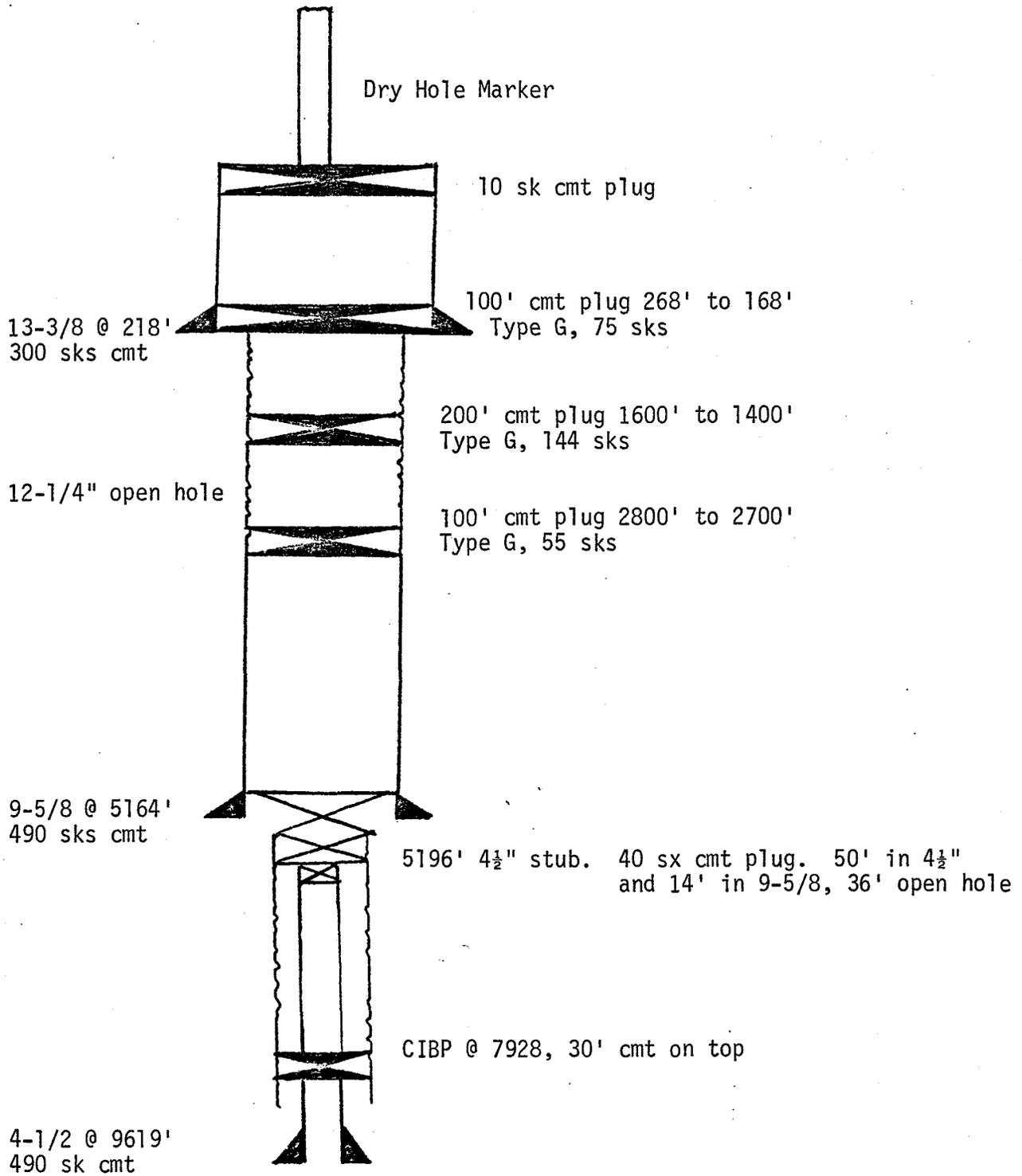
18. I hereby certify that the foregoing is true and correct

SIGNED Richard Baumann TITLE Engr. Tech. DATE 4-6-81

(This space for Federal or State office use)

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

OSC #3





CNG PRODUCING COMPANY
TULSA DIVISION

RECEIVED

FEB 22 1985

February 15, 1985

DIVISION OF OIL
& GAS & MINING

State of Utah
Division of Oil, Gas and Mining
335 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Transfer of Ownership and
Operations
Oil and Gas Wells
State of Utah

Gentlemen:

This letter is to inform you that:

CNG Producing Company
705 S. Elgin Ave., P. O. Box 2115
Tulsa, Oklahoma 74101-2115

has acquired the ownership and operations of oil and gas wells formerly
owned and operated by:

MAPCO Oil & Gas Company
Tulsa, Oklahoma

Attached is a listing of wells involved in the transfer. Should
there be any question regarding this matter, I may be contacted at
(918)599-4005.

Sincerely,

Greg Bechtol
Sr. Engineering Technician

GB/sr
Attachment

RIVER BEND UNIT NO. 14-08-0001-16035
 UINTAH COUNTY, UTAH

Status of All Wells Located Within the River Bend Unit

<u>Well Name</u>	<u>Location</u>	<u>Status</u>
1. OSC No. 1	SE NW Sec. 17-T10S-R20E	Water supply well
2. OSC No. 2	NW SE Sec. 3-T01S-R20E	Suspended gas well
3. OSC No. 3	SW NE Sec. 10-T10S-R20E	Plugged & abandoned
4. OSC No. 4	NW NE Sec. 30-T 9S-R20E	Suspended gas well
5. OSC No. 4A	NW NE Sec. 30-T 9S-R20E	Suspended gas well
6. OSC No. 5	NE NE Sec. 2-T10S-R18E	Producing oil well
7. Natural 1-2	SE NW Sec. 2-T10S-R20E	Plugged & abandoned
8. OSC No. 7-15	SW NW Sec. 15-T10S-R19E	Producing gas well
9. RBU 11-16E	NE SW Sec. 16-T10S-R19E	Producing gas well
10. RBU 11-18F	NE SW Sec. 18-T10S-R20E	Producing gas well
11. RBU 11-13E	NE SW Sec. 13-T10S-R19E	Producing gas well
12. RBU 7-21F	SW NE Sec. 21-T10S-R20E	Producing gas well
13. RBU 11-15F	NE SW Sec. 15-T10S-R20E	Producing gas well
14. RBU 11-19F	NE SW Sec. 19-T10S-R20E	Producing gas well
15. RBU 11-10E	NE SW Sec. 10-T10S-R19E	Producing gas well
16. RBU 11-23E	NE SW Sec. 23-T10S-R19E	Producing gas well
17. RBU 11-21E	NE SW Sec. 21-T10S-R19E	Producing oil well
18. RBU 11-14E	NE SW Sec. 14-T10S-R19E	Producing gas well
19. RBU 11-16F	NE SW Sec. 16-T10S-R20E	Producing gas well
20. RBU 11-36B	NE SW Sec. 36-T 9S-R19E	Plugged & abandoned
21. FED 7-25B	SW NE Sec. 25-T 9S-R19E	Producing oil well
22. RBU 7-11F	SW NE Sec. 11-T10S-R20E	Producing gas well
23. RBU 11-17F	NE SW Sec. 17-T10S-R20E	Suspended gas well
24. RBU 5-11D	SW NW Sec. 11-T10S-R18E	Producing gas well
25. RBU 11-22E	NE SW Sec. 22-T10S-R19E	Producing gas well
26. RBU 4-11D	NW NW Sec. 11-T10S-R18E	Producing oil well
27. RBU 15-23F	SW SE Sec. 23-T10S-R20E	Plugged & abandoned
28. RBU 11-3F	NE SW Sec. 3-T10S-R20E	Producing gas well
29. RBU 11-2F	NE SW Sec. 2-T10S-R20E	Producing oil well
30. RBU 7-22F	SW NE Sec. 22-T10S-R20E	Producing gas well
31. RBU 8-14F	SE NE Sec. 14-T10S-R20E	Producing gas well
32. RBU 6-20F	SE NW Sec. 20-T10S-R20E	Producing gas well
33. RBU 11-24E	NE SW Sec. 24-T10S-R19E	Producing gas well
34. RBU 7-10F	SW NE Sec. 10-T10S-R20E	Producing gas well
35. RBU 1-10E	NE NE Sec. 10-T10S-R19E	Producing gas well
36. RBU 1-15E	NE NE Sec. 15-T10S-R19E	Producing gas well
37. RBU 1-22E	NE NE Sec. 22-T10S-R19E	Producing gas well
38. RBU 1-14E	NE NE Sec. 14-T10S-R19E	Producing gas well
39. RBU 1-23E	NE NE Sec. 23-T10S-R19E	Producing gas well
40. RBU 2-11D	NW NE Sec. 11-T10S-R18E	Producing oil well
41. RBU 4-19F	NW NW Sec. 19-T10S-R20E	Producing gas well
42. RBU 16-3F	SE SE Sec. 3-T10S-R20E	Producing gas well
43. RBU 13-11F	SW SW Sec. 11-T10S-R20E	Producing gas well
44. RBU 16-16F	SE SE Sec. 16-T10S-R20E	Producing gas well
45. RBU 6-2D	SE NW Sec. 2 T10S-R18E	Producing oil well



CNG PRODUCING COMPANY
TULSA DIVISION

RECEIVED

FEB 27 1985

February 25, 1985

**DIVISION OF OIL
GAS & MINING**

State of Utah
Division of Oil & Gas Mining
355 W. North Temple
3 Triad Center - Suite 350
Salt Lake City, Utah 84180-1203

Gentlemen:

Effective January 1, 1985, CNG Producing Company, New Orleans, LA., purchased the oil and gas properties of MAPCO Oil & Gas Company located in the state of Utah. Attached is a list of the properties sold for which CNG will now be responsible.

Please direct any future correspondence concerning these wells to the address shown below:

CNG Producing Company - Tulsa Division
P. O. Box 2115
Tulsa, OK 74101-2115
Attention: Joe C. Lineback

Yours truly,

Joe C. Lineback.
Manager of Accounting

JCL/cf

Attachment

RIVER BEND UNIT NO. 14-08-0001-16035
 UINTAH COUNTY, UTAH

Status of All Wells Located Within the River Bend Unit

<u>Well Name</u>	<u>Location</u>	<u>Status</u>
1. OSC No. 1	SE NW Sec. 17-T10S-R20E	Water supply well
2. OSC No. 2	NW SE Sec. 3-T01S-R20E	Suspended gas well
3. OSC No. 3	SW NE Sec. 10-T10S-R20E	Plugged & abandoned
4. OSC No. 4	NW NE Sec. 30-T 9S-R20E	Suspended gas well
5. OSC No. 4A	NW NE Sec. 30-T 9S-R20E	Suspended gas well
6. OSC No. 5	NE NE Sec. 2-T10S-R18E	Producing oil well
7. Natural 1-2	SE NW Sec. 2-T10S-R20E	Plugged & abandoned
8. OSC No. 7-15	SW NW Sec. 15-T10S-R19E	Producing gas well
9. RBU 11-16E	NE SW Sec. 16-T10S-R19E	Producing gas well
10. RBU 11-18F	NE SW Sec. 18-T10S-R20E	Producing gas well
11. RBU 11-13E	NE SW Sec. 13-T10S-R19E	Producing gas well
12. RBU 7-21F	SW NE Sec. 21-T10S-R20E	Producing gas well
13. RBU 11-15F	NE SW Sec. 15-T10S-R20E	Producing gas well
14. RBU 11-19F	NE SW Sec. 19-T10S-R20E	Producing gas well
15. RBU 11-10E	NE SW Sec. 10-T10S-R19E	Producing gas well
16. RBU 11-23E	NE SW Sec. 23-T10S-R19E	Producing gas well
17. RBU 11-21E	NE SW Sec. 21-T10S-R19E	Producing oil well
18. RBU 11-14E	NE SW Sec. 14-T10S-R19E	Producing gas well
19. RBU 11-16F	NE SW Sec. 16-T10S-R20E	Producing gas well
20. RBU 11-36B	NE SW Sec. 36-T 9S-R19E	Plugged & abandoned
21. FED 7-25B	SW NE Sec. 25-T 9S-R19E	Producing oil well
22. RBU 7-11F	SW NE Sec. 11-T10S-R20E	Producing gas well
23. RBU 11-17F	NE SW Sec. 17-T10S-R20E	Suspended gas well
24. RBU 5-11D	SW NW Sec. 11-T10S-R18E	Producing gas well
25. RBU 11-22E	NE SW Sec. 22-T10S-R19E	Producing gas well
26. RBU 4-11D	NW NW Sec. 11-T10S-R18E	Producing oil well
27. RBU 15-23F	SW SE Sec. 23-T10S-R20E	Plugged & abandoned
28. RBU 11-3F	NE SW Sec. 3-T10S-R20E	Producing gas well
29. RBU 11-2F	NE SW Sec. 2-T10S-R20E	Producing oil well
30. RBU 7-22F	SW NE Sec. 22-T10S-R20E	Producing gas well
31. RBU 8-14F	SE NE Sec. 14-T10S-R20E	Producing gas well
32. RBU 6-20F	SE NW Sec. 20-T10S-R20E	Producing gas well
33. RBU 11-24E	NE SW Sec. 24-T10S-R19E	Producing gas well
34. RBU 7-10F	SW NE Sec. 10-T10S-R20E	Producing gas well
35. RBU 1-10E	NE NE Sec. 10-T10S-R19E	Producing gas well
36. RBU 1-15E	NE NE Sec. 15-T10S-R19E	Producing gas well
37. RBU 1-22E	NE NE Sec. 22-T10S-R19E	Producing gas well
38. RBU 1-14E	NE NE Sec. 14-T10S-R19E	Producing gas well
39. RBU 1-23E	NE NE Sec. 23-T10S-R19E	Producing gas well
40. RBU 2-11D	NW NE Sec. 11-T10S-R18E	Producing oil well
41. RBU 4-19F	NW NW Sec. 19-T10S-R20E	Producing gas well
42. RBU 16-3F	SE SE Sec. 3-T10S-R20E	Producing gas well
43. RBU 13-11F	SW SW Sec. 11-T10S-R20E	Producing gas well
44. RBU 16-16F	SE SE Sec. 16-T10S-R20E	Producing gas well
45. RBU 6-2D	SE NW Sec. 2 T10S-R18E	Producing oil well

CNG Producing Company

A **CNG COMPANY**

CNG Tower
1450 Poydras Street
New Orleans, LA 70112-6000
(504) 593-7000

August 17, 1990

RECEIVED
AUG 21 1990

DIVISION OF
OIL, GAS & MINING

State of Utah
Natural Resources Oil, Gas and Mining
355 West North Temple
3 Triad Center
Suite 350
Salt Lake City, Utah 84180 - 1203

Reference: Lease 71-007206
Section 10, T10S, R20E
Old Squaw Creek - Bitter Creek Field
Riverbend Unit, Uintah County, Utah

Gentlemen:

The subject well was formerly operated by MAPCO Production Company prior to CNG becoming operator of the Riverbend Unit. Our records indicate that a Subsequent Sundry Report covering abandonment operations was filed with your district on April 6, 1981. An approval on this report was never issued by your office. In an effort to complete our files on this well, we are resubmitting a Sundry Notice covering the abandonment of this well. We would appreciate your approval on this operations in order that we can close out our files on this well. A copy of the original Sundry Notice filed by MAPCO is also enclosed.

Should you have any questions concerning this matter, please contact me at 504/593-7454.

Yours truly yours,

Yvonne Abadie

Yvonne Abadie,
Regulatory Reports Administrator

Enclosures

**ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 8/18/90
BY: [Signature]

OIL AND GAS	
DFN	<input checked="" type="checkbox"/> JFB
<input checked="" type="checkbox"/> JPB	GLH
DIS	SLS
2-DTE <input checked="" type="checkbox"/>	
MICROFILM <input checked="" type="checkbox"/> 10/90	
FILE	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(Other last page on reverse side)

Form approved.
Budget Bureau No. 1004-0115
Expires August 31, 1985

3. LEASE DESIGNATION AND SERIAL NO

71-007206

8. 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.)

AUG 21 1990

1. OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

River Bend

2. NAME OF OPERATOR
CNG Producing Company

8. FARM OR LEASE NAME

Old Squaw Creek

3. ADDRESS OF OPERATOR
CNG Tower - 1450 Poydras St., New Orleans, LA 70112 6000

9. WELL NO.

3

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

10. FIELD AND POOL, OR WILDCAT

Bitter Creek

SW NE Sec. 10, T10S, R20E

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

Sec. 10, T10S, R20E

14. PERMIT NO.

43-047-30104

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

5039' GL

12. COUNTY OR PARISH

Unitah

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.)*

The subject well was abandoned on 3/04/81. A Subsequent Abandonment Sundry was filed on 4/6/81, however, approval was never issued for this report, a copy of which is attached. CNG is resubmitting this Sundry covering abandonment operations in order to complete our files with appropriate BLM approval:

- 2/25/81 Set CIBP at 7928'. Set 30' cement on top of BP.
 - 2/27/81 Cut 4-1/2" csg. at 5196'. POOH with 163 jts.
 - 2/28/81 Set 40 sack plug - 50' cement in 4 1/2" stub, 36' in open hole and 14' in 9-5/8" casing 5150' - 5250'.
 - 3/04/81 Cut 9-5/8" csg. at 2753'. POOH w/67 jts. 9-5/8" total. Set cmt plugs at the following depths:
- | | | |
|------|---------------|-----------|
| 100' | 2700' - 2800' | 55 sacks |
| 200' | 1400' - 1600' | 144 sacks |
| 100' | 168' - 268' | 75 sacks |

10 sack surface plug. See attached well diagram

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

Regulatory Reports

SIGNED

Yvonne Abadie
Yvonne Abadie

TITLE

Administrator

DATE

8/17/90

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE:

8/18/90

*See Instructions on Reverse Side

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.)

RECEIVED
AUG 21 1980

1. oil well gas well other

2. NAME OF OPERATOR
MAPCO Production Co.

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: SW NE Sec. 10, T. 10 S., R. 20 E.
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

DIVISION OF
OIL, GAS & MINING

5. LEASE
71-007206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
River Bend

8. FARM OR LEASE NAME

9. WELL NO.
OSC #3

10. FIELD OR WILDCAT NAME

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

12. COUNTY OR PARISH
Uintah

13. STATE
UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5039' GL

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 checked="" type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

(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.)*

2-25-81 Set CIBP @ 7928', set 30' cmt on top of BP
 2-27-81 Cut 4-1/2" csg @ 5196'. POOH with 163 jts.
 2-28-81 Set 40 sx plug. 50' cmt in 4 1/2" stub, 36' in open hole and 14' in 9-5/8" csg. 5150' to 5250'.
 3-04-81 Cut 9-5/8" csg at 2753' POOH with 67 jts 9-5/8" total. Set cmt plugs at the following depths:

100'	2700' - 2800'	55 sx
200'	1400' - 1600'	144 sx
100'	168' - 268'	75 sx

10 sx surface plug.
See attached well diagram

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

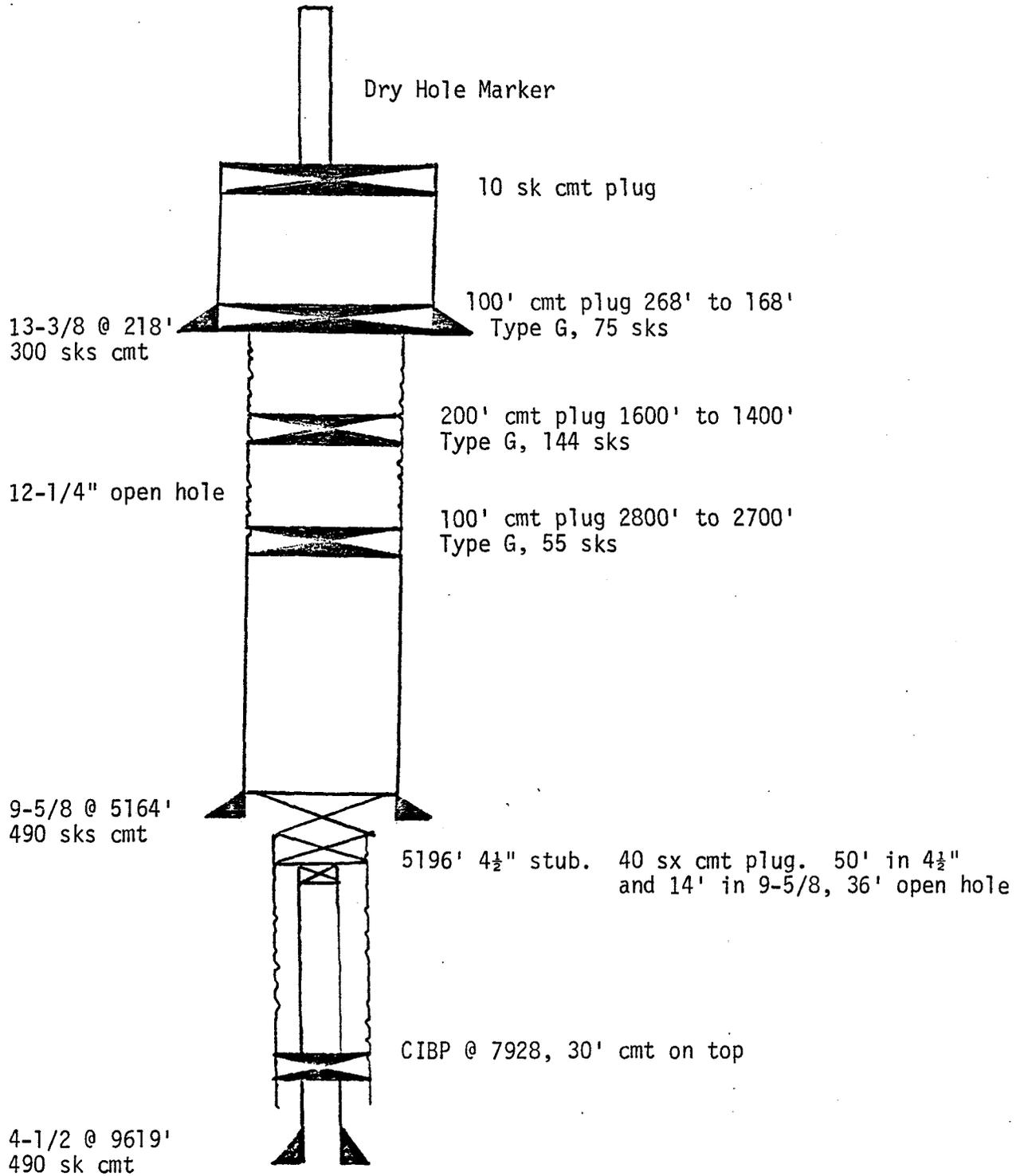
SIGNED Richard Baumann TITLE Engr. Tech. DATE 4-6-81

(This space for Federal or State Use)

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

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 4/15/81
BY: [Signature]

OSC #3



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 Co.

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: SW NE Sec. 10, T. 10 S., R. 20 E.
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
71-007206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
River Bend

8. FARM OR LEASE NAME

9. WELL NO.
OSC #3

10. FIELD OR WILDCAT NAME

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

12. COUNTY OR PARISH
Uintah

13. STATE
UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5039' GL

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 checked="" type="checkbox"/>
(other)			

(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.)*

2-25-81 Set CIBP @ 7928', set 30' cmt on top of BP
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100'	2700' - 2800'	55 sx
200'	1400' - 1600'	144 sx
100'	168' - 268'	75 sx

10 sx surface plug.
See attached well diagram

RECEIVED
APR 8 1981

Subsurface Safety Valve: Manu. and Type _____ DIVISION OF OIL, GAS & MINING _____ Ft.

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

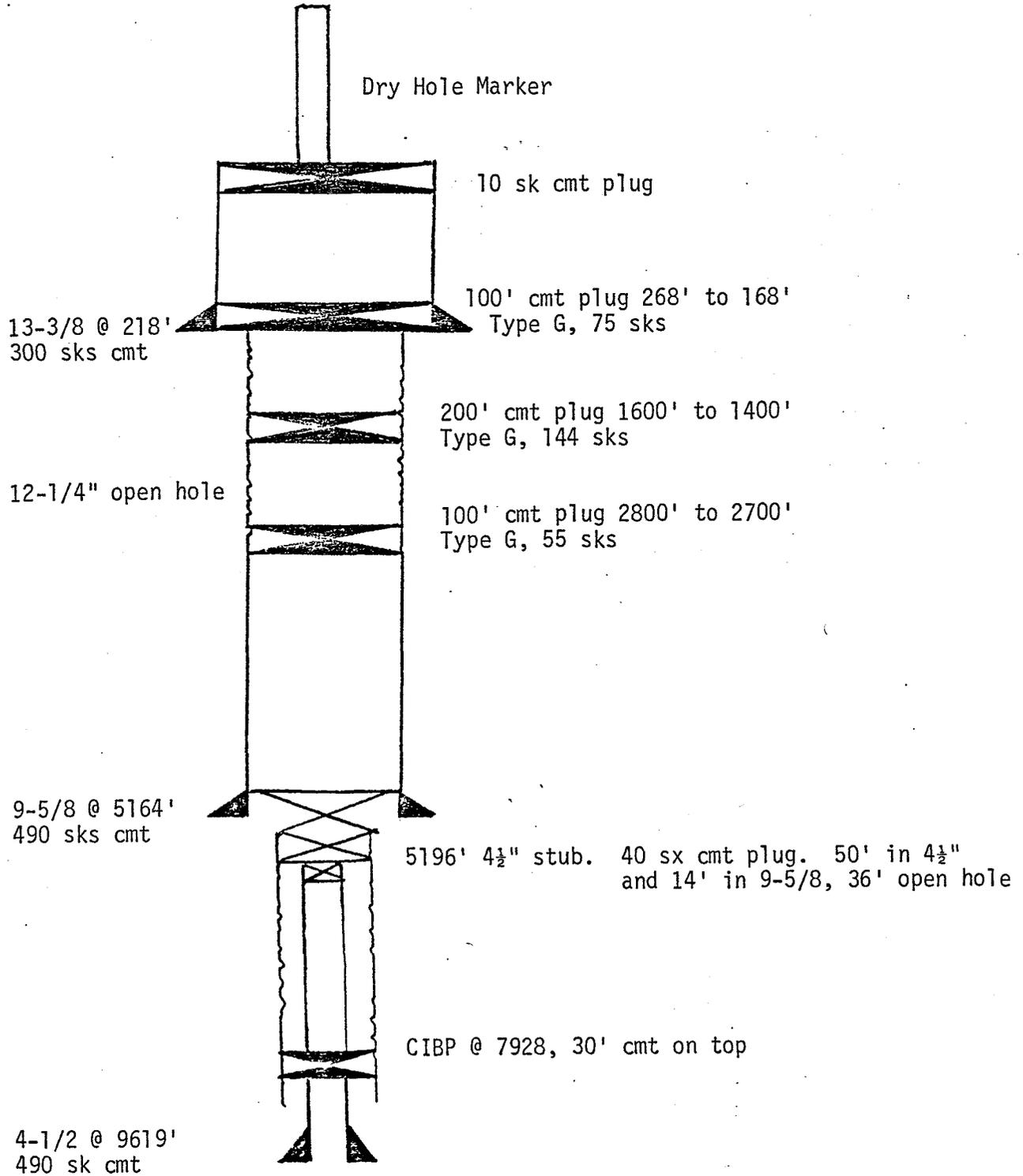
SIGNED Richard Baumann TITLE Engr. Tech. DATE 4-6-81

(This space for Federal or State Office Use)

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

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 4/15/81
BY: [Signature]

OSC #3





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)

5528914
CO 106990

File Number



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

Check Appropriate Box	
<input checked="" type="checkbox"/>	Foreign Profit Corporation \$35.00
<input type="checkbox"/>	Foreign Non-Profit Corporation \$35.00
<input type="checkbox"/>	Foreign Limited Partnership \$25.00
<input type="checkbox"/>	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.

(The corporation shall use its name as set forth on #1, unless this name is not available.)

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:

- 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]
Signature

Vice President & Corporate Secretary
Title

April 20 2000
Date

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 7/1/00



[Signature]
MICHAEL JENSEN
Division of Corporations

Date: 04/25/2000

Receipt Number: 22156

Amount Paid: \$60.00

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

APR 25 2000

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"/> Abandon*
<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Repair Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Convert to Injection
<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Fracture Treat or Acidize
<input type="checkbox"/> Multiple Completion	<input checked="" type="checkbox"/> Other OPERATOR NAME CHANGE FOR WELLS
<input type="checkbox"/> Other	
<input type="checkbox"/> New Construction	<input type="checkbox"/> New Construction
<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Recomplete	<input type="checkbox"/> Reperforate
<input type="checkbox"/> Reperforate	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Water Shut-Off	

Date of work completion _____

Report results of Multiple Completion and Recompletion to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

*Must be accompanied by a cement verification report.

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.

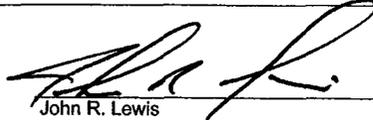

John R. Lewis
Sr. Vice-President - CNG Producing Company

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OIL, GAS AND MINING

13.

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

(This space for State use only)

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.

Susan H. Sachitana
Regulatory Reports Administrator

Enclosure

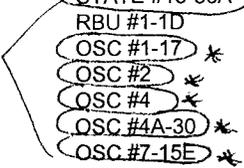
cc: Nelda Decker

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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
STATE #2-36E	4304732979	DOMINION EXPLORATION & PR	PR	STATE
STATE #2-36E	4304732979	DOMINION EXPLORATION & PR	LA PGW	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	STATE
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



BLM

BLM

BLM

BLM

BLM

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	STATE
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	STATE
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	STATE
STATE #5-36B	4304732224	DOMINION EXPLORATION & PR	PR	STATE
FEDERAL #13-26B	4304732237	DOMINION EXPLORATION & PR	PR	BLM
STATE #9-36B	4304732249	DOMINION EXPLORATION & PR	PR	STATE
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	STATE
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 #2-36F	4304732404	DOMINION EXPLORATION & PR	LA	STATE
STATE #9-36E	4304732405	DOMINION EXPLORATION & PR	LA	STATE

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DIVISION OF

OPERATOR CHANGE WORKSHEET

1-CDW	4-KAS
2-CDW ✓	5-SJ ✓
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 _____.
- N/A 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.

COMMENTS
