



AMERICAN QUASAR PETROLEUM CO.  
OF NEW MEXICO

707 UNITED BANK TOWER, 1700 BROADWAY, DENVER, COLORADO 80290, U.S.A.  
TELEPHONE (303) 861-8437

December 9, 1977

Division of Oil, Gas & Mining  
State of Utah  
1588 West North Temple  
Salt Lake City, UT 84116



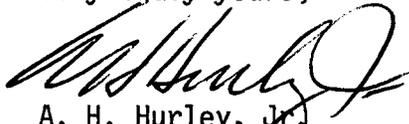
Attn: Cleon B. Feight, Director

Gentlemen:

Subject: Application to Drill Chournos 19-1, Rich County, Utah

Enclosed is American Quasar's application to drill the captioned well. A copy of the survey plat will be mailed to you as soon as one is available. As this well is scheduled as a part of our 1977 drilling program, your prompt consideration and approval of our application would be greatly appreciated.

Very truly yours,

  
A. H. Hurley, Jr.  
Division Operations Manager

AHH:ld

Enc.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
 DRILL  DEEPEN  PLUG BACK   
 b. Type of Well  
 Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
American Quasar Petroleum Co. of New Mexico

3. Address of Operator  
707 United Bank Tower, 1700 Broadway, Denver, CO 80290

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
2000' FNL & 870' FEL, Section 19-9N-6E  
 At proposed prod. zone  
Same

14. Distance in miles and direction from nearest town or post office\*  
9 miles east of Woodruff, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)  
500'

16. No. of acres in lease  
320.00

17. No. of acres assigned to this well  
640

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.  
14,500'

19. Proposed depth  
14,500'

20. Rotary or cable tools  
Rotary

21. Elevations (Show whether DF, RT, GR, etc.)  
6800' (U.S.G.S. Topographic Map)

22. Approx. date work will start\*

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Chournos

9. Well No.

19-1

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

19-9N-6E

12. County or Parrish

Rich

13. State

Utah

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#	750'	RediMix
12 1/4"	9 5/8"	36 & 40#	4,500'	Circulate
8 3/4"	7"	29, 32 & 35#	14,500'	600 sx

This test is programed to test the Dinwoody, Phosphoria, Weber, Lodgepole, and Devonian formations and to penetrate the thrust fault at approximately 14,500'. BOP stack on the 9 5/8" casing will be 500# wp, H<sub>2</sub>S trim, and will be pressure tested before drilling out below 9 5/8" casing and every 30 days thereafter. All necessary precautions will be taken to detect and control any H<sub>2</sub>S encountered.

*See Amended*



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

24. Signed [Signature] Title Division Operations Manager Date 12-9-77

(This space for Federal or State office use)

Permit No. .... Approval Date .....

Approved by ..... Title ..... Date .....

Conditions of approval, if any:

\*See Instructions On Reverse Side

\*\* FILE NOTATIONS \*\*

Date: 12/12/77

Operator: American - Quasar Pet. Co.

Well No: Chournos 19-1

Location: Sec. 19 T. 9N R. 6E County: Rich

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API NUMBER: 43-033-30012

CHECKED BY:

Administrative Assistant [Signature]

Remarks: Verbal approval by [Signature] 12/19

Petroleum Engineer [Signature]

Remarks:

Director 7

Remarks:

*Needs 1) Survey Plat  
2) letter requesting geological or topo. exception + reason why  
3) Statement of ownership around well*

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No.

Surface Casing Change to

Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site

O.K. Rule C-3

O.K. In  Unit

Other:

Letter Written/Approved

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

AMENDED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL  DEEPEN  PLUG BACK

b. Type of Well  
Oil Well  Gas Well  Other   
Single Zone  Multiple Zone

2. Name of Operator  
American Quasar Petroleum Co. of New Mexico

3. Address of Operator  
707 United Bank Tower, 1700 Broadway, Denver, CO 80290

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface ~~1290'~~ FNL & ~~790'~~ FEL, Section 19-9N-6E  
At proposed prod. zone ~~190'~~ surface ~~970'~~ 30' NE NE  
Same

14. Distance in miles and direction from nearest town or post office\*  
9 miles east of Woodruff, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)  
~~530'~~ 190'

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.  
14,500'

21. Elevations (Show whether DF, RT, GR, etc.)  
~~6000'~~ (U.S.G.S. Topographic Map) 6798' GR - surveyor

5. Lease Designation and Serial No.  
Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name  
Chournos

9. Well No.  
19-1

10. Field and Pool, or Wildcat  
Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area  
19-9N-6E

12. County or Parrish 13. State  
Rich Utah

16. No. of acres in lease 320.00  
17. No. of acres assigned to this well 640

19. Proposed depth 14,500'  
20. Rotary or cable tools Rotary

22. Approx. date work will start\*  
12-30-77

23. PROPOSED CASING AND CEMENTING PROGRAM

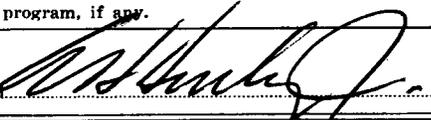
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17 1/2"	13 3/8"	48#	750'	Redi Mix
12 1/4"	9 5/8"	36 & 40#	4,500'	Circulate
8 3/4"	7"	29, 32 & 35#	14,500'	600 sx

This test is programmed to test the Dinwoody, Phosphoria, Weber, Lodgepole, & Devonian formations and to penetrate the thrust fault at approximately 14,500'. BOP stack on the 9 5/8" casing will be 500# wp, H2S trim, and will be pressure tested before drilling out below 9 5/8" casing and every 30 days thereafter. All necessary precautions will be taken to detect and control any H2S encountered.

This surface location is where it is because the BLM would not approve it to drill unless it was moved to 190' FNL & 970' FEL.

The bottom hole location will be approx. 1320' FNL and 1320' FEL of Sec. 19-9N-6E by directionally drilling.

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

24. Signed  Title Division Operations Manager Date 12-19-77

(This space for Federal or State office use)

Permit No. 43-036-30012 Approval Date

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

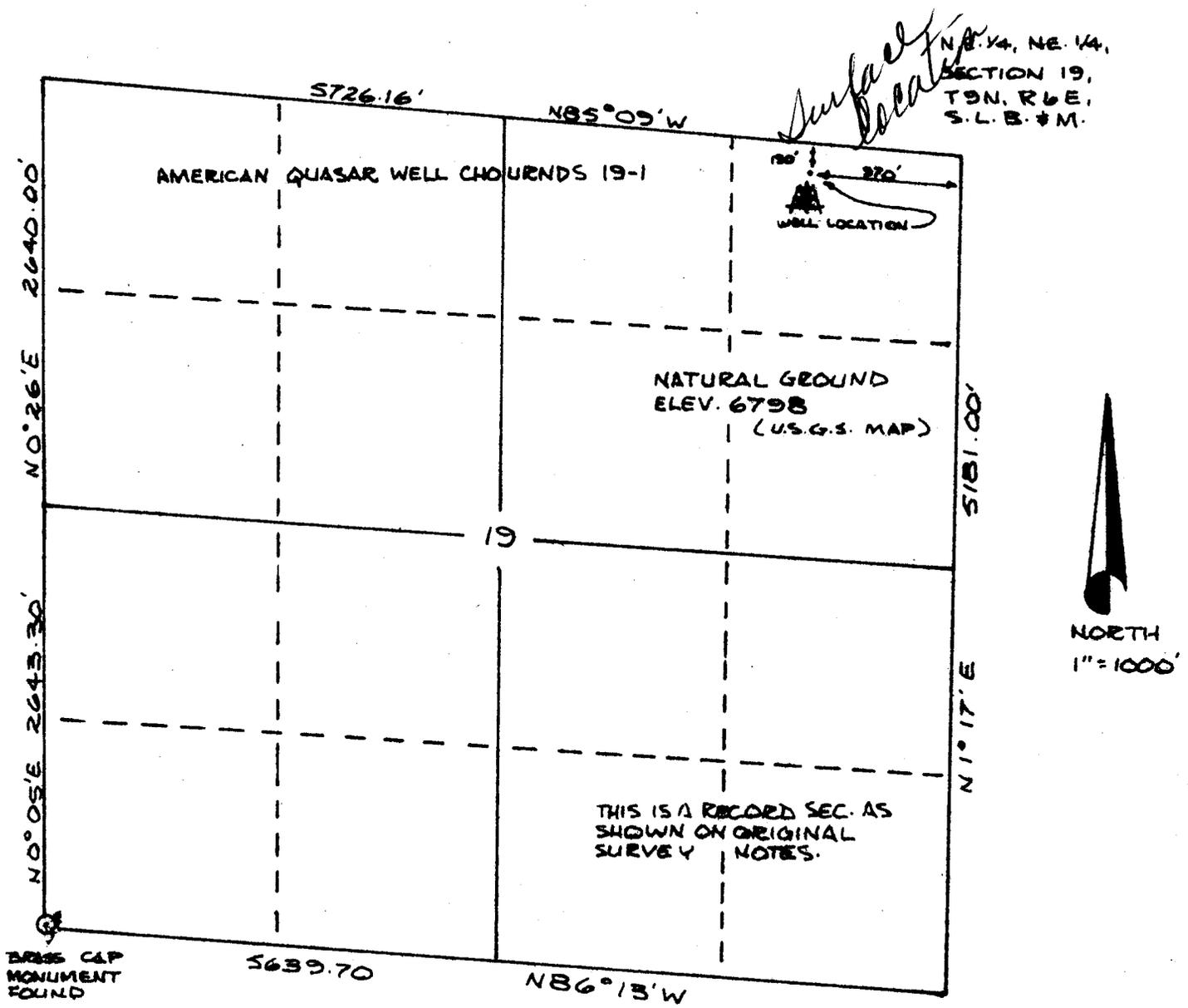
CONSULTING ENGINEERS  
LAND SURVEYORS

168 North First East, Logan, Utah, 84321  
(801) 753-0153

CLIENT AMERICAN QUASAR PETROLEUM

Designed By SJR Date 12-15-77

Checked By \_\_\_\_\_ Sheet \_\_\_\_\_ of 2



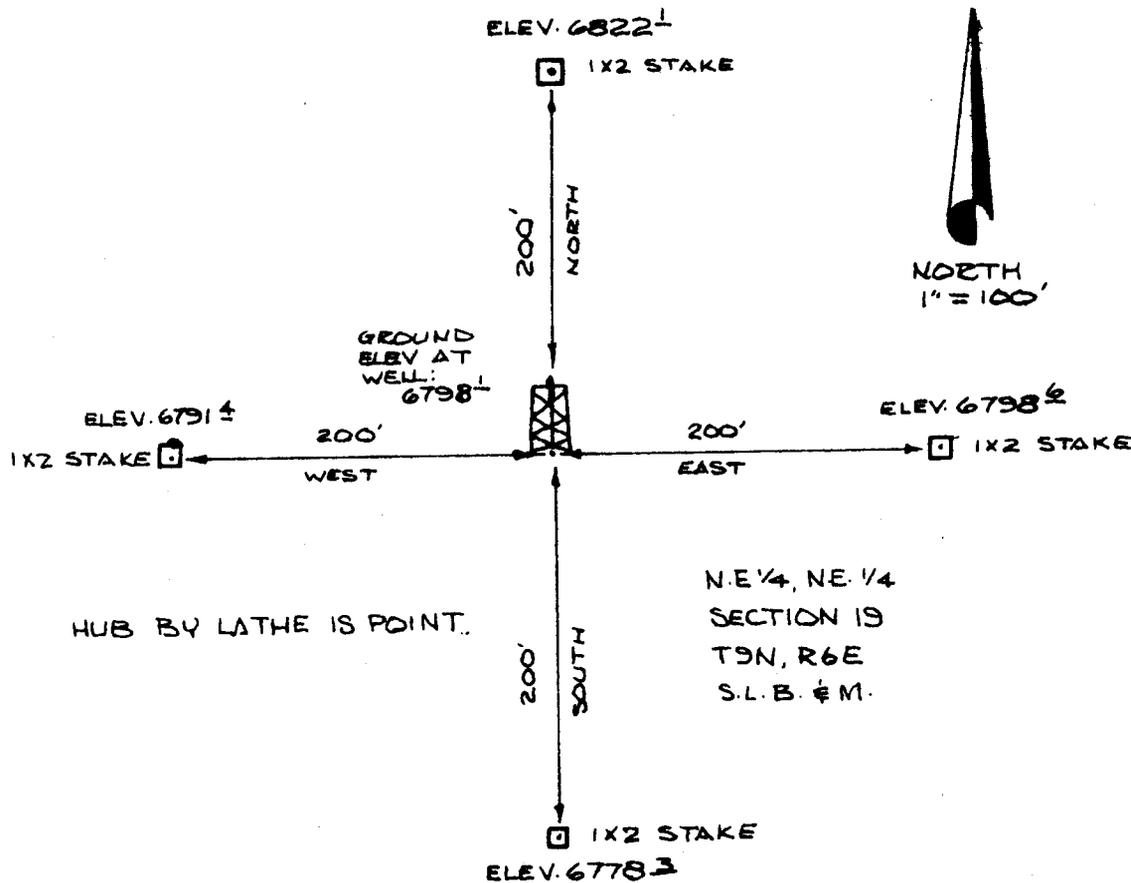
SURVEYOR'S CERTIFICATE

I, Charles W. Muncy, hereby certify that this plat was prepared from field notes of an actual survey performed under my direct supervision, during which the shown monuments were found or established.



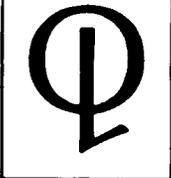
*Charles W. Muncy*

Charles W. Muncy, Land Surveyor  
Utah License No. 444  
VALLEY ENGINEERING, INC.  
Ogden Office



*Charles M. ...*

VALLEY ENGINEERING, INC.  
Ogden Office  
4185 South 300 West, Suite 7  
Ogden, Utah 84403  
(801) 621-1335



AMERICAN QUASAR PETROLEUM CO.  
OF NEW MEXICO

707 UNITED BANK TOWER, 1700 BROADWAY, DENVER, COLORADO 80290, U.S.A.  
TELEPHONE (303) 861-8437

December 19, 1977

Division of Oil, Gas & Mining  
State of Utah  
1588 West North Temple  
Salt Lake City, UT 84116

Attn: Cleon B. Feight, Director

Gentlemen:

Subject: Application to Drill Chournos 19-1, Rich County, Utah

We are attaching an amended application to drill the captioned well.  
Our lease covers all lands within 530' of this location.

The terrain is so rough that this is the only site suitable for a  
drilling location.

As we discussed, we are staking the location 1280' FNL and 790' FEL,  
Section 19. We will direct our surveyor to mail a plat to you as  
soon as possible.

As this well is scheduled for drilling in our 1977 drilling program,  
your prompt consideration and approval of our application would be  
greatly appreciated in order to start work prior to January 1, 1978.

Very truly yours,

A. H. Hurley, Jr.  
Division Operations Manager

AHH;ld

Enc.

December 21, 1977

American Quasar Petroleum Company  
707 United Bank Tower  
1700 Broadway  
Denver, Colorado 80290

Re: Well No. Chournos 19-1  
Sec. 19, T. 9 N, R. 6 E,  
Rich County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer  
HOME: 582-7247  
OFFICE: 533-5771

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

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-033-30012.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

TO Pat Driscoll  
Utah Oil, Gas and Mining Commission  
1588 West Temple  
Salt Lake City, Utah

*Orly*

**LEY ENGINEERING, INC.**  
168 NORTH 1ST EAST  
LOGAN, UTAH 84321

SUBJECT: American Quasar V.E. #77-00-084

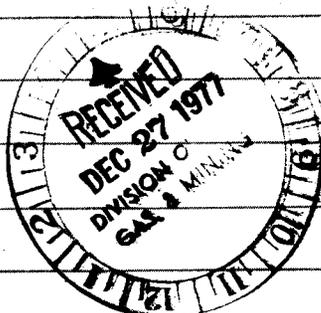
DATE 22 Dec 1977

FOLD 

Attached is a copy of the survey plat of the American Quasar Well, Chournos 19-1  
located in Section 19, T.9 N., R. 6 E. S.L.B.M. in Rich County, Utah.

John Sindelar of American Quasar is very anxious to get this well approved as  
soon as possible. Your prompt attention to this matter will be greatly appreciated.

*Ab*  
*file*  
*P*



*Charles W. Muncy*

Charles W. Muncy, Licensed Surveyor

SIGNED

LOT # 576687





VALLEY ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 LAND SURVEYORS  
 168 N.1st E., Logan, Utah 84321  
 1-801-753-0153

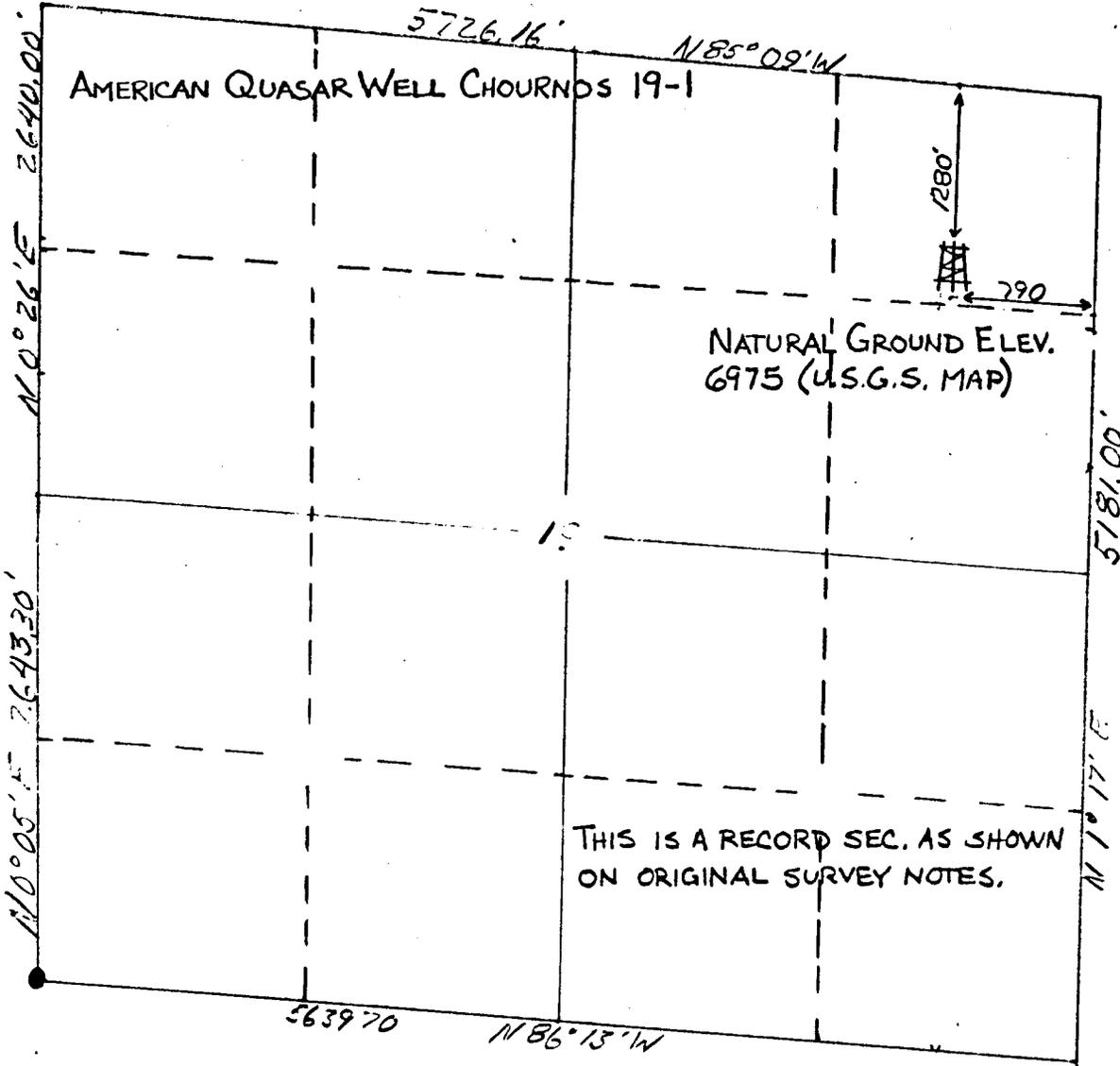
JOB. 77-00-34

CLIENT AMERICAN QUASAR PUMPING CO.

Designed by STK Date 12-17-77

Checked by \_\_\_\_\_ Sheet 1 of 2

N.E. 1/4, N.E. 1/4, SEC. 19  
 T. 9N., R. 6E., S.L.B. & M.



LEGEND:

- ◆ ORIGINAL STONES, FOUND
- ⊞ WELL LOCATION
- BRASS CAP MONUMENT, FOUND

SURVEYOR'S CERTIFICATE

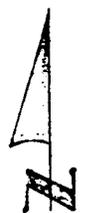
I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED UNDER MY DIRECT SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

*Charles W. Muncy*

CHARLES W. MUNCY  
 LAND SURVEYOR, UTAH LICENSE No. 4447

LOGAN

RICHFIELD



1"=100'

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  
JAMES P. COWLEY  
HYRUM L. LEE

1588 West North Temple  
Salt Lake City, Utah 84116

CLEON B. FEIGHT  
Director

June 8, 1978

American Quasar Petroleum Company  
204 Superior Bldg.  
201 N. Wolcott  
Casper, Wyoming 82601

Re: Well No. Chournos 19-1  
Sec. 19, T. 9N, R. 6E,  
Rich County, Utah - Jan. 1978 thru' May 1978  
Well No. UPRR 19-3  
Sec. 19, T. 2N, R. 7E,  
Summit County, Utah - Apr. 1978 thru' May 1978  
Well No. Clark 4-2  
Sec. 4, T. 2N, R. 7E,  
Summit County, Utah - Feb. 1978 thru' May 1978  
Well No. Blonquist 26-1  
Sec. 26, T. 2N, R. 6E,  
Summit County, Utah - Apr. 1978 thru' May 1978

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months indicated above on the subject well(s).

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER  
RECORDS CLERK

June 13, 1978

MEMO TO FILE:

Re: American Quasar Petroleum Company  
Well No. Chournos 19-1  
Sec. 19, T. 9N., R. 6E.  
Rich County, Utah

This wildcat drilling site was visited on the above date. Vierson Chckran is the contractor and they are using their Rig #11.

The top of the Nugget Formation was encountered at 2,305', and they were still in the Nugget at 4,089' and continuing to drill ahead.

  
PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER  
DIVISION OF OIL, GAS, & MINING

PLD/ksw

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER (Drilling) <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR American Quasar Petroleum Co.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 204 Superior Bldg., Casper, Wyo. 82601		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 190' FNL & 970' FEL		8. FARM OR LEASE NAME Chournos
14. PERMIT NO.		9. WELL NO. 19-1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6798' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 19-9N-6E
		12. COUNTY OR PARISH Rich
		13. STATE Utah

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

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

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

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

This is a Monthly Report of Operations for period 4/17-5/31/78  
(see attached chronological report).

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

SIGNED John F. Sindelar TITLE Division Drlg. Supt. DATE 6/13/78

(This space for Federal or State office use) John F. Sindelar

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

CONDITIONS OF APPROVAL, IF ANY:

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/17/78 FIRST REPORT. S<sup>u</sup>ed loc. 190' FNL &  
970' FEL (NE $\frac{1}{4}$  NE $\frac{1}{4}$ ) of Sec. 19-9N-6E.  
Elevation: 6798' GR. Drlg. contractor: Viersen &  
Cochran Drlg. Co. - Rig #11. Now bldg. road & loc.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/18/78 Bldg. loc.; MIRT. Will set 20" conductor today.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/19/78 Graveling road & loc. & MIRT. Finished bldg. loc.  
Set 60' of 20" 93# conductor w/Bill Jr's Rat Hole Drlg. &  
cemented w/350 sx Class G.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/20/78 MIRT & graveling loc.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/21/78 MIRT. Graveling road.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/22-24/78 MIRT.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/25/78 RURT.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/26/78 RURT.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/27/78 RURT.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/28/78 RURT.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

4/29-5/1/78 RURT.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp.

5/2/78 RURT.

CHOURNOS #19-1 5/3/78 RURT. Should spud today.

Rich Co., Utah

Cutoff Canyon Prosp.

CHOURNOS #19-1 5/4/78 Day #1 - Drlg. in sd & sh @ 124'. Drld. 34'  
Rich Co., Utah in 3 hrs. MW 8.4; vis 29; WL 30.0; pH 8.5.

Cutoff Canyon Prosp. Ran bit #1 (12¼" Hughes OSC3AJ - SN JR666) @ 90'.

Bit has drld. 34' in 3 hrs. Spudded well @ 11:00 PM

on 5/3/78. Had numerous problems w/pump & mud lines. Drlg. wt 2000#; RPM 110.

CHOURNOS #19-1 5/5/78 2 days - Drlg. in sd & sh @ 442'. Drld. 318' in  
Rich Co., Utah 19 hrs. MW 8.7; vis 34; WL 25.0; pH 11.0.

Cutoff Canyon Prosp. Surveys: 3/4° @ 142' & 418'. Pulled bit #1 @ 418'.

Bit drld. 328' in 17½ hrs. Dull grade 4-3-I. Ran bit #2

(12¼" Sec. S4TJ - SN ?). Bit has drld. 24' in 4½ hrs. Drlg. wt 12,000#; RPM 110.

~~Total cost to date~~ XXXXXXX

CHOURNOS #19-1 5/6/78 3 days - TD 600'. Drld. 158' of 12¼" hole  
Rich Co., Utah in 16 hrs. & reamed 30' of 17½" hole in 3 hrs.

Cutoff Canyon Prosp. Now reaming 12¼" hole to 17½". MW 8.8; vis 40; WL 25.0;  
pH 10.0. Survey: ½° @ 600'. Pulled bit #2 (SN 768959)

@ 600'. Bit drld. 182' in 16 hrs. Dull grade 2-2-I. Ran bit #RR3 (from Hogback  
Ridge #17-1) (17½" Smith DGJ - SN 849LD) @ 90'. Bit has reamed 30' in 3 hrs.

Reaming wt 12,000#; RPM 110.

5/7 4 days - Reaming 12¼" hole to 17½" @ 592'.

Reamed 478' in 20 hrs. MW 8.9; vis 39; WL 28.0; pH 10.0. Pulled bit #RR3  
@ 426'. Bit reamed 336' in 11-3/4 hrs. Dull grade 4-2-I. Ran HO #1

(17½" Sec. - SN 6920). HO has reamed 166' in 11¼ hrs. Rmg. wt 10,000#; RPM 80.

5/8 5 days - TD 600'. Installing Rector wellhead.

MW 8.9; vis 39; WL 20.0; pH 10.0. Pulled HO #1 @ 592'. HO reamed 166' in  
11¼ hrs. Dull grade 3-2-I. Ran 15 jts 13-3/8" 48# H-40 8-rd ST&C csg.,

landed @ 588.51' KB. Cemented w/380 sx Howco Lite, 12.5#/sk gilsonite,  
¼#/sk flocele & 2% CaCl, followed by 300 sx Class G, ¼#/sk flocele & 2% CaCl.

Bumped w/600 psi--float held. FD 2:15 PM 5/7/78. Had good circ. thruout.  
Circ. cmt. to surf. Now installing WH.

CHOURNOS #19-1 5/9/78 6 days - TD 600'. WO Yellow Jacket to test BOPE.

Rich Co., Utah

Cutoff Canyon Prosp. Installed wellhead. NU BOPE & manifold. Now prep to  
pressure-test.

CHOURNOS #19-1 5/10/78 7 days - Drlg. in lm & sh @ 642'. Drld. 42' in  
Rich Co., Utah 2-3/4 hrs. MW 9.0; vis 40; WL 22.0; pH 11.5.

Cutoff Canyon Prosp. Tested blind rams, pipe rams & chk manifold to 3000 psi;  
Hydril to 1500 psi; csg. to 500 psi. PU BHA & bit #4

(12¼" Hughes OSC1G - SN TD523) & TIH. Drld. out cmt. & shoe. Hit shoe @ 586'.

Bit #4 has drld. 42' in 2-3/4 hrs. Drlg. wt 15-20,000#; RPM 80.

CHOURNOS #19-1 5/11/78 8 days - Drlg. in lm, sh & ss @ 845'. Drld. 203'  
Rich Co., Utah in 21-3/4 hrs. MW 8.9; vis 45; WL 18.6; pH 10.5.  
Cutoff Canyon Prosp. Survey: 1/2° @ 800'. Bit #4 has drld. 245' in 24 1/2 hrs.  
Drlg. wt 20,000#; RPM 80.

CHOURNOS #19-1 5/12/78 9 days - Drlg. in lm, sd & sh @ 1050'. Drld. 205'  
Rich Co., Utah in 18 1/2 hrs. MW 8.7; vis 36; WL 14.5; pH 10.3.  
Cutoff Canyon Prosp. Survey: 1° @ 1050'. Pulled bit #4 @ 995'. Bit drld.  
395' in 38-3/4 hrs. Dull grade 3-3-I. Ran bit #5  
(12 1/4" Hughes OSC3J - SN KM974). Bit has drld. 55' in 5 1/4 hrs. Drlg. wt  
15,000#; RPM 80. Total cost to date:

CHOURNOS #19-1 5/13/78 10 days - Drlg. in Twin crk ls @ 1210'. Drld. 160'  
Rich Co., Utah in 20 1/2 hrs. MW 8.7; vis 44; WL 24.0; pH 10.5.  
Cutoff Canyon Prosp. Survey: 1° @ 1176'. Pulled bit #5 @ 1131'. Bit drld. 136'  
in 18 1/4 hrs. Dull grade 6-4-1/16". Ran bit #6 (12 1/4" Hughes  
J22 - SN 796XL). Bit has drld. 79' in 6 1/2 hrs. Drlg. wt 50,000#; RPM 50.

5/14 11 days - Drlg. in Nugget ss @ 1455'. Drld. 245'  
in 20-3/4 hrs. MW 8.8; vis 35; WL 30.0; pH 11.0. Survey: 1 1/2° @ 1430'.  
Bit #6 has drld. 324' in 27 1/4 hrs. Nugget sample top: 1385'. Drlg. wt 35,000#;  
RPM 50.

5/15 12 days - Drlg. in Nugget ss @ 1712'. Drld. 257'  
in 19 hrs. MW 8.8; vis 37; WL 14.0; pH 11.0. Survey: 1° @ 1684'. Pulled bit #6  
@ 1516'. Bit drld. 385' in 31 1/4 hrs. Dull grade 5-2-1/16". Ran bit #7 (12 1/4" Smith  
F57 - SN 705BT). Bit has drld. 196' in 14 1/2 hrs. Drlg. wt 35,000#; RPM 50.

CHOURNOS #19-1 5/16/78 13 days - Tripping out w/bit #7 @ 1867'.  
Rich Co., Utah Drld. 155' of Nugget ss in 21 hrs. MW 8.8; vis 40; WL 10.0;  
Cutoff Canyon Prosp. pH 10.0. Survey: 1° @ 1842'. Now pulling bit #7 @ 1867'.  
Bit drld. 351' in 35 1/2 hrs.

CHOURNOS #19-1 5/17/78 14 days - Drlg. in Nugget ss @ 1971'. Drld. 104'  
Rich Co., Utah in 20 1/2 hrs. MW 8.8; vis 37; WL 13.2; pH 11.5.  
Cutoff Canyon Prosp. Survey: 1 1/2° @ 1938'. Finished pulling bit #7 @ 1867'.  
Dull grade 5-2-I. Ran bit #8 (12 1/4" Smith 7JS - SN 460HE).  
Bit has drld. 104' in 20 1/2 hrs. Drlg. wt 35,000#; RPM 40.

CHOURNOS #19-1 5/18/78 15 days - Drlg. in Nugget ss @ 2039'.  
Rich Co., Utah Drld. 68' in 17 1/2 hrs. MW 8.8; vis 40; WL 10.4; pH 10.5.  
Cutoff Canyon Prosp. Survey: 1-3/4° @ 2034'. Pulled bit #8 @ 2034'.  
Bit drld. 167' in 36 1/2 hrs. Dull grade 4-2-1/4". Ran bit #9  
(12 1/4" Hughes J77 - SN CK050). Bit has drld. 5' in 1 hr. Drlg. wt 35,000#; RPM 40.

CHOURNOS #19-1 5/19/78 16 days - Drlg in Nugget ss @ 2120'. Drld 81' in 23 3/4 hrs.  
Rich Co., Utah MW 8.8, vis 38, WL 10.0, pH 10.5. Bit #9 has drld 86' in 25 hrs.  
Cutoff Canyon Prosp Drlg wt-40,000#; RPM-40.  
Total Cost to Date

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp. 5/20/78 17 days - Drlg. in Nugget ss @ 2210'.  
Drl'd. 90' in 18½ hrs. MW 8.8; vis 38; WL 10.0; pH 11.0.  
Survey: 1½° @ 2128'. Pulled bit #9 @ 2156'. Bit drld.  
122' in 32 hrs. Dull grade 4-2¼". Ran bit #10  
(12¼" Smith 4JS - SN 521KC). Bit has drld. 54' in 11½ hrs. Circ. samples  
@ 2177'--no shows. Drlg. wt 30,000#; RPM 40.

5/21 18 days - Drlg. in Nugget ss @ 2325'.  
Drl'd. 115' in 19¼ hrs. MW 8.8; vis 38; WL 10.5; pH 11.5. Survey: 2° @ 2319'.  
Pulled bit #10 @ 2210'. Bit drld. 54' in 12½ hrs. Dull grade 2-2¼". Ran bit #11  
(12¼" Smith 5JS - SN 058DX). Bit has drld. 115' in 15¼ hrs. Circ. samples  
@ 2230'--no shows. Drlg. wt 45,000#; RPM 40.

5/22 19 days - TD 2382'. Drl'd. 57' of Nugget ss  
in 3-3/4 hrs. Reaming to bottom @ 2292'. MW 8.8; vis 37; WL 10.0; pH 11.5.  
Twisted off while drlg. @ 2382'. POH. PU & TIH w/overshot & jars. Engaged fish.  
POH. Pulled bit #11 @ 2382'. Bit drld. 172' in 22 hrs. Dull grade 6-2¼".  
Ran bit #12 (12¼" Reed FP62 - SN B34619). Now washing to bottom @ 2292'.

CHOURNOS #19-1  
Rich Co., Utah  
Cutoff Canyon Prosp. 5/23/78 20 days - Drlg. in Nugget ss @ 2555'. Drl'd. 173'  
in 17 hrs. MW 8.7; vis 37; WL 12.0; pH 11.0.  
Survey: ½° @ 2544'. Finished washing to bottom w/bit #12.  
Bit has drld. 173' in 17 hrs. Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1  
(13,000' Jeff. - WC)  
Rich Co., Utah  
Cutoff Canyon Prosp. 5/24/78 21 days - Drlg. in sd & red sltstn @ 2738'.  
Drl'd. 183' in 23 hrs. MW 8.8; vis 37; WL 12.5; pH 10.5.  
Survey: ½° @ 2639'. Bit #12 has drld. 356' in 30 hrs.  
Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1  
(13,000' Jeff. - WC)  
Rich Co., Utah  
Cutoff Canyon Prosp. 5/25/78 22 days - Drlg. in Nugget ss @ 2814'. Drl'd. 76'  
in 11-3/4 hrs. MW 8.7; vis 42; WL 14.0; pH 7.5.  
Survey: 3/4° @ 2767'. Pulled bit #12 @ 2793'. Bit  
drld. 411' in 47½ hrs. Dull grade 5-3¼". Ran bit #13  
(12¼" Hughes X44 - SN LA266). Bit has drld. 21' in  
4¼ hrs. Drlg. wt 35,000#; RPM 40.

CHOURNOS #19-1  
(13,000' Jeff. - WC)  
Rich Co., Utah  
Cutoff Canyon Prosp. 5/26/78 23 days - Drlg. in Nugget ss @ 2908'.  
Drl'd. 94' in 23 hrs. MW 8.7; vis 41; WL 15.5; pH 10.5.  
Survey: 3/4° @ 2861'. Bit #13 has drld. 115' in 27¼ hrs.  
Drlg. wt 40,000#; RPM 40.

Total cost to date:

CHOURNOS #19-1  
(13,000' Jeff. - WC)  
Rich Co., Utah  
Cutoff Canyon Prosp. 5/27/78 24 days - TD 2914'. Drl'd. 6' of Nugget ss  
in 2 hrs. Reaming @ 1781'. MW 8.6; vis 38; WL 11.2;  
pH 11.5. Pulled bit #13 @ 2914'. Bit drld. 121' in  
29¼ hrs. Dull grade 4-8-1½". Ran bit #14 (12¼"  
Smith F7 - SN 182FX). Now reaming @ 1781'.

5/28 25 days - Drlg. in ss @ 2917'. Drl'd. 3'  
in 3/4 hr. MW 8.6; vis 37; WL 9.4; pH 11.0. Reamed 1781-2914' in 2¾ hrs.  
Bit #14 has drld. 3' in 3/4 hr. Drlg. wt 40,000#; RPM 40.

5/29 26 days - Tripping in w/bit #16 @ 2947'.  
Drl'd. 30' of ss in 8½ hrs. MW 8.6; vis 38; WL 10.2; pH 11.0. Survey: 3/4°  
@ 2947'. Pulled bit #14 @ 2947'. Bit drld. 33' in 8¼ hrs. Dull grade 3-5-3/4".  
Ran bit #15 (12¼" Hughes J88 - SN HJ081) @ 2947'. Pulled bit #15 @ 2947'.  
Bit drld. 0' in 1 hr. Dull grade: Pinched. Now running bit #16 (12¼" Hughes  
J77 - SN JC433) @ 2947'.

5/30 27 days - Drlg. in Ankareh @ 3002'.  
Drl'd. 55' in 15 hrs. MW 8.6; vis 37; WL 9.2; pH 11.0. Finished running bit #16  
@ 2947'. Reamed 2800-2947'. Bit has drld. 55' in 15 hrs. Drlg. wt 40,000#;  
RPM 40.

CHOURNOS #19-1  
(13,000' Jeff. - WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

5/31/78 28 days - Drlg. in Ankareh formation @ 3059'.  
Drl'd. 57' in 8½ hrs. MW 8.7; vis 39; WL 9.6; pH 11.0.  
Survey: 3/4° @ 3044'. Bit #16 has drld. 112' in 23½ hrs.  
Twisted off IBS pin @ 2996'. POH. PU overshot. TIH.  
Engaged fish. POH & LD fish. TIH. Now drlg.  
Drlg. wt 40,000#; RPM 40.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(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.)</small>		5. LEASE DESIGNATION AND SERIAL NO. Fee
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER (Drilling) <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR American Quasar Petroleum Co.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 204 Superior Bldg., Casper, Wyo. 82601		8. FARM OR LEASE NAME Chournos
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 190' FNL & 970' FEL		9. WELL NO. 19-1
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether DT, RT, GR, etc.) 6798' GR		11. SEC., T., R., M., OR BLK. AND SUBVY OR AREA 19-9N-6E
12. COUNTY OR PARISH		13. STATE Rich Utah

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

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

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

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

This is a Monthly Report of Operations for period 6/1-30/78  
(see attached chronological report).

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

SIGNED John F. Sindelar TITLE Division Drilg. Supt. DATE 6/30/78

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

CHOURNOS #19-1 6/1/78 29 days - POH @ 3135'. Drld. 76' of red sh  
(13,000' Jeff. - WC) & ss in 18½ hrs. MW 8.8; vis 41; WL 7.8; pH 11.0.  
Rich Co., Utah Survey: 1¼° @ 3084'. Pulled bit #16 @ 3084'. Bit drld.  
Cutoff Canyon Prosp. 137' in 29½ hrs. Dull grade 4-2-1/8". Ran bit #17  
(12¼" Smith F3 - SN 357TP). Bit has drld. 51' in  
12½ hrs. Lost pump pressure while drlg. @ 3135'. Now POH to ck string.

CHOURNOS #19-1 6/2/78 30 days - Drlg. in Ankareh formation @ 3181'.  
(13,000' Jeff. - WC) Drld. 46' in 6 hrs. MW 8.6; vis 38; WL 8.4; pH 10.5.  
Rich Co., Utah Finished POH. Left bit & BH stabilizer on bottom.  
Cutoff Canyon Prosp. PU & TIH w/overshot. Engaged fish. POH w/bit #17.  
Bit drld. 51' in 12½ hrs. Dull grade 5-2-¼". LD fish.  
Ran bit #18 (12¼" Hughes J55 - SN JH309) @ 3135'. Bit has drld. 46' in 6 hrs.  
Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1 6/3/78 31 days - Drlg. in Basal Nugget @ 3310'.  
(13,000' Jeff. - WC) Drld. 129' in 22-3/4 hrs. MW 8.6; vis 36; WL 10.2;  
Rich Co., Utah pH 11.0. Survey: 1½° @ 3266'. Bit #18 has drld. 175'  
Cutoff Canyon Prosp. in 28-3/4 hrs. Drlg. wt 40,000#; RPM 40.

6/4 32 days - Drlg. in Nugget ss @ 3345'.  
Drld. 35' in 7 hrs. MW 8.7; vis 37; WL 9.2; pH 11.5. Twisted pln off #2 DC  
@ 3338'. POH. PU overshot. TIH. Engaged fish. POH w/bit #18 @ 3338'.  
Bit drld. 203' in 34¼ hrs. Dull grade 5-2-1/16". LD fish. PU new BHA &  
bit #19 (12¼" Smith 5JS - SN 239FB) & TIH @ 3338'. Bit has drld. 7' in 1½ hr.  
Drlg. wt 40,000#; RPM 40.

6/5 33 days - Drlg. in Nugget ss @ 3409'. Drld.  
64' in 23 hrs. MW 8.7; vis 39; WL 9.2; pH 7.5. Survey: 1½° @ 3375'. Bit #19  
has drld. 71' in 24½ hrs. Drlg. wt 40,000#; RPM 50.

CHOURNOS #19-1 6/6/78 34 days - Drlg. in Nugget ss @ 3488'. Drld. 79'  
(13,000' Jeff. - WC) in 20¼ hrs. MW 8.7; vis 39; WL 8.0; pH 12.0.  
Rich Co., Utah Survey: 1-3/4° @ 3410'. Pulled bit #19 @ 3410'.  
Cutoff Canyon Prosp. Bit drld. 72' in 25½ hrs. Dull grade 6-2-¼". Ran bit #20  
(12¼" Hughes J55 - SN JD614). Bit has drld. 78' in 19¼ hrs.  
Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1 6/7/78 35 days - Drlg. in Nugget ss @ 3550'. Drld. 62'  
(13,000' Jeff. - WC) in 19 hrs. MW 8.7; vis 40; WL 8.8; pH 11.0.  
Rich Co., Utah Survey: 1½° @ 3527'. Pulled bit #20 @ 3527'. Bit drld.  
Cutoff Canyon Prosp. 117' in 27-3/4 hrs. Dull grade 5-2-1/8". Ran bit #21  
(12¼" Hughes 6JS - SN 642CJ). Bit has drld. 23' in 10½ hrs.  
Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1 3/8/78 36 days - Drlg. in Nugget ss @ 3613'. Drld. 63'  
(13,000' Jeff.-WC) in 18½ hrs. MW 8.7; vis 36; WL 8.8; pH 10.0.  
Rich Co., Utah Survey: 1½° @ 3595'. Pulled bit #21 @ 3595'. Bit drld.  
Cutoff Canyon Prosp. 68' in 25½ hrs. Dull grade 6-2-¼". Ran bit #22 (12¼"  
Hughes J55 - SN JC627). Bit has drld. 18' in 3½ hrs.  
Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1 6/9/78 37 days - Tripping for bit @ 3689'. Drld. 71'  
(13,000' Jeff.-WC) of Nugget ss in 20¼ hrs. MW 8.7; vis 40; WL 8.4; pH 11.0.  
Rich Co., Utah Survey: 1-¾° @ 3689'. Pulled bit #22 @ 3689'. Bit drld.  
Cutoff Canyon Prosp. 94' in 23-¾ hrs. Dull grade 4-2-1/8". Now running  
bit #23 (12¼" Sec. M88 - SN 498363) @ 3689'.

CHOURNOS #19-1 6/10/78 38 days - TD 3786' (Nugget). Drld. 97'  
(13,000' Jeff.-WC) in 18-¾ hrs. Running wireline survey.  
Rich Co., Utah MW 8.8; vis 35; WL 8.0; pH 10.5. Survey: 2° @ 3786'.  
Cutoff Canyon Prosp. Finished running bit #23 @ 3689'. Pulled bit #23 @  
3706'. Bit drld. 17' in 3½ hrs. Dull grade 2-2-I .  
Ran bit #24 (12¼" Smith F5 - SN 332NT). Bit has drld. 80' in 15¼ hrs.  
Drlg. wt 40,000#; RPM 40.

6/11 39 days - Drlg. in Nugget ss @ 3879'.  
Drld. 93' in 18¼ hrs. MW 8.7; vis 42; WL 8.0; pH 10.5. Survey: 2° @ 3854'.  
Pulled bit #24 @ 3854'. Bit drld. 148' in 28-¾ hrs. Dull grade 6-2-¼".  
Ran bit #25 (12¼" Hughes J55 - SN JC663). Bit has drld. 25' in 4-¾ hrs.  
Drlg. wt 40,000#; RPM 40.

6/12 40 days - Drlg. in Nugget ss @ 3999'. Drld.  
120' in 23½ hrs. MW 8.7; vis 40; WL 11.0; pH 10.5. Bit #25 has drld. 145'  
in 28¼ hrs. Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1 6/13/78 41 days - Drlg. in Nugget ss @ 4062'. Drld.  
(13,000' Jeff.-WC) 63' in 13 hrs. MW 8.6; vis 38; WL 10.0; pH 11.0.  
Rich Co., Utah Survey: 2° @ 4044'. Pulled bit #25 @ 4044'. Bit drld.  
Cutoff Canyon Prosp. 190' in 37¼ hrs. Dull grade 4-2-1/8". Ran bit #26  
(12¼" Smith F5 - SN 381HZ). Bit has drld. 18' in 4 hrs.  
Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1 6/14/78 42 days - TIH w/bit #27 @ 4117'. Drld. 55' of  
(13,000' Jeff.-WC) Nugget ss in 20½ hrs. MW 8.7; vis 41; WL 11.0; pH 11.0.  
Rich Co., Utah Survey: 2¼° @ 4117'. Pulled bit #26 @ 4117'. Bit drld.  
Cutoff Canyon Prosp. 73' in 24½ hrs. Dull grade 4-2-1/8". Now running  
bit #27 (12¼" Hughes X44 - SN CB166) @ 4117'.

CHOURNOS #19-1 6/15/78 43 days - Tripping out for bit @ 4172'.  
(13,000' Jeff.-WC) Drld. 55' of Nugget ss in 19 hrs. MW 8.7; vis 40;  
Rich Co., Utah WL 10.0; pH 11.0. Survey: 2½° @ 4172'. Finished  
Cutoff Canyon Prosp. running bit #27 @ 4117'. Pulled bit #27 @ 4172'.  
Bit drld. 55' in 19 hrs. Dull grade 6-2-1/8".  
Now prep to run bit #28 @ 4172'. Drlg. wt 40,000#; RPM 48.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/16/78 44 days - Drlg. in Nugget @ 4230'. Drld. 58'  
in 15-3/4 hrs. MW 8.6; vis 38; WL 9.8; pH 11.0.  
Pulled bit #28 @ 4197'. Bit drld. 25' in 6-3/4 hrs.  
Dull grade 4-2-1/16". Ran bit #29 (12 1/4" Smith F5 -  
SN 304NT). Bit has drld. 33' in 9 hrs. Drlg. wt 40,000#;  
RPM 45.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/17/78 45 days - Drlg. in Nugget @ 4264'. Drld. 34'  
in 19 1/4 hrs. MW 8.6; vis 36; WL 9.8; pH 11.0.  
Survey: 3 1/2° @ 4244'. Pulled bit #29 @ 4244'. Bit drld.  
47' in 15 1/4 hrs. Dull grade 5-2-1/4". Ran bit #30 (12 1/4"  
Smith 6JS - SN 608EV). Bit has drld. 20' in 13 hrs.  
Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1  
(cont.)  
Rich Co., Utah

6/18/78 46 days - Drlg. in Nugget @ 4324'.  
Drld. 60' in 18 hrs. MW 8.7; vis 41; WL 9.0; pH 10.5.  
Pulled bit #30 @ 4264'. Bit drld. 20' in 13 hrs.  
Dull grade 5-2-1/16". Ran bit #31 (12 1/4" Smith F5 -  
SN 878LJ). Bit has drld. 60' in 18 hrs. Drlg. wt 40,000#; RPM 40.

6/19 47 days - Drlg. in Nugget @ 4344'. Drld. 20'  
in 12 hrs. MW 8.6; vis 38; WL 10.0; pH 10.5. Lost pump pressure. POH  
to ck for hole in DP--did not find hole. Pulled bit #31 @ 4324'. Bit drld. 60'  
in 18 hrs. Dull grade 4-2-1/16". Changed out shock sub & jars. TIH w/bit #32  
(12 1/4" Smith F5 - SN 301NT) @ 4324'. When bit started rotating, lost pump pressure  
POH. Found crack in DC. LD DC. Tripped back in hole w/bit #32. Bit has  
drld. 20' in 11 1/2 hrs. Drlg. wt 40,000#; RPM 40.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/20/78 48 days - Drlg. in Nugget @ 4372'. Drld. 28'  
in 19 hrs. MW 8.6; vis 39; WL 8.4; pH 10.5.  
Survey: 3 1/4° @ 4356'. Pulled bit #32 @ 4356'. Bit drld.  
32' in 22 hrs. Dull grade 5-2-1/8". Ran bit #33  
(12 1/4" Smith F5 - SN 764MH). Bit has drld. 16' in  
8 1/2 hrs. Drlg. wt 35,000#; RPM 38.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/21/78 49 days - Tripping in @ 4408'. Drld. 36' of  
Nugget in 18 hrs. MW 8.6; vis 42; WL 8.0; pH 11.0.  
Survey: 3° @ 4408'. Pulled bit #33 @ 4408'. Bit drld.  
52' in 26 1/2 hrs. Dull grade 5-2-1/8". Now running  
bit #34 (12 1/4" Sec. H100 - SN 699530) @ 4408'.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/22/78 50 days - Drlg. in Nugget @ 4455'. Drld. 47'  
in 22 hrs. MW 8.6; vis 39; WL 9.6; pH 11.5.  
Finished running bit #34 @ 4408'. Bit has drld. 47'  
in 22 hrs. Drlg. wt 45,000#; RPM 38.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/23/78 51 days - Drlg. in Ankareh @ 4521'.  
Drl'd. 66' in 23 hrs. MW 8.6; vis 43; WL 8.0; pH 11.5.  
Survey: 3° @ 4509'. Bit #34 has drld. 113' in 45 hrs.  
Drlg. wt 45,000#; RPM 38.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/24/78 52 days - Drlg. in Ankareh @ 4630'. Drl'd. 109'  
in 19½ hrs. MW 8.6; vis 40; WL 8.4; pH 11.5.  
Survey: 3½° @ 4533'. Pulled bit #34 @ 4533'. Bit drld.  
125' in 51¼ hrs. Dull grade 3-2-1/16". Ran bit #35  
(12¼" Hughes X44 - SN AS413). Bit has drld. 97' in  
13¼ hrs. Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1 (cont)  
Rich Co., Utah

6/25/78 53 days - Drlg. in Ankareh @ 4763'.  
Drl'd. 133' in 22 hrs. MW 8.6; vis 41; WL 7.2; pH 11.0.  
Survey: 3° @ 4732'. Bit #35 has drld. 230' in 35¼ hrs.  
Drlg. wt 45,000#; RPM 50.

6/26 54 days - Drlg. in Ankareh @ 4884'. Drl'd. 121'  
in 22-3/4 hrs. MW 8.6; vis 45; WL 7.6; pH 10.5. Survey: 3° @ 4859'.  
Bit #35 has drld. 351' in 58 hrs. Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/27/78 55 days - Drlg. in Ankareh @ 4992'. Drl'd. 108'  
in 19 hrs. MW 8.6; vis 40; WL 7.0; pH 11.0.  
Survey: 2½° @ 4912'. Pulled bit #35 @ 4912'. Bit drld.  
379' in 63 hrs. Dull grade 4-2-1/16". Ran bit #36  
(12¼" Smith 3JS - SN 537FF). Bit has drld. 80' in  
14 hrs. Ankareh sample top: 4467'. Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/28/78 56 days - Drlg. in Ankareh @ 5102'.  
Drl'd. 110' in 22-3/4 hrs. MW 8.7; vis 39; WL 7.4;  
pH 12.0. Survey: 3° @ 5049'. Bit #36 has drld. 190'  
in 36-3/4 hrs. Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/29/78 57 days - Drlg. in Ankareh @ 5186'. Drl'd. 84'  
in 16¼ hrs. MW 8.7; vis 40; WL 7.4; pH 10.5.  
Survey: 2-3/4° @ 5167'. Pulled bit #36 @ 5167'.  
Bit drld. 255' in 50½ hrs. Dull grade 5-3-¼".  
Ran bit #37 (12¼" Hughes X44 - SN JM221). Bit has  
drld. 19' in 2½ hrs. Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

6/30/78 58 days - Drlg. in Ankareh @ 5305'. Drl'd. 119'  
in 22½ hrs. MW 8.6; vis 40; WL 6.8; pH 10.5.  
Survey: 2-3/4° @ 5305'. Bit #37 has drld. 138' in 25 hrs.  
Drlg. wt 45,000#; RPM 50.



July 11, 1978

MEMO TO FILE

Re: American Quasar Petroleum Company  
Well No. Chournos 19-1  
SW NE NE Sec. 19, T. 9N., R. 6E.  
Rich County, Utah

Viersen & Cbchran Drilling Company's Rig #11 was drilling at 5,071' at the time of the visit. The Rig and location are in excellent condition.



CLEON B. FEIGHT  
DIRECTOR  
DIVISION OF OIL, GAS, & MINING

CBF/ksw

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

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

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <b>Fee</b></p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER (Drilling) <input type="checkbox"/></p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p>
<p>2. NAME OF OPERATOR <b>American Quasar Petroleum Co.</b></p>		<p>7. UNIT AGREEMENT NAME</p>
<p>3. ADDRESS OF OPERATOR <b>204 Superior Bldg., Casper, Wyo. 82601</b></p>		<p>8. FARM OR LEASE NAME <b>Chournos</b></p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <b>At surface 190' FNL &amp; 970' FEL</b></p>		<p>9. WELL NO. <b>19-1</b></p>
<p>14. PERMIT NO.</p>		<p>10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b></p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6798' GR</b></p>		<p>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA <b>19-9N-6E</b></p>
<p>12. COUNTY OR PARISH</p>		<p>13. STATE</p>
<p><b>Rich</b></p>		<p><b>Utah</b></p>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Monthly Report of Operations</u> <input checked="" type="checkbox"/>	
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

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

This is a Monthly Report of Operations for period 7/1-31/78  
(see attached chronological report).

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

SIGNED *John F. Sindelar* TITLE Division Dirg. Supt. DATE 8/4/78

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

CHOURNOS #19-1 7/1/78 59 days - Running elec. logs w/Schlumberger  
(13,000' Jeff.-WC) @ 5325'. Drld. 20' of Ankareh in 4½ hrs. MW 8.6;  
Rich Co., Utah vis 37; WL 7.7; pH 11.5. Survey: 3¼° @ 5325'.  
Cutoff Canyon Prosp. Pulled bit #37 @ 5325' to run logs. Bit drld. 158' in  
29½ hrs. Dull grade 4-2-1/16". Now running elec. logs.

7/2 60 days - TD 5325'. Running 9-5/8" csg.  
MW 8.6; vis 37; WL 7.5; pH 11.5. Finished logging. Ran Dipmeter, DLL,  
Sonic-GR w/Caliper & Neutron Density 5313-584'. TIH & circ. & cond. hole.  
POH. Now running 9-5/8" csg.

7/3 61 days - TD 5325'. NU BOPE.  
Ran 9-5/8" csg. as follows: 46 jts 40# S-80 Rge 3 ST&C 2,036.81'  
77 jts 40# K-55 Rge 3 ST&C 3,311.86'  
123 jts 5,348.67'

Landed @ 5325' KB. Cemented w/530 sx Class "G" w/3/4% CFR<sub>2</sub>, ¼#/sk flocele  
& 10% salt. PD 1:45 PM 7/2/78. Had good returns thruout job. Now NU BOPE.

7/4 62 days - TD 5325'. Drlg. cmt. MW 8.6;  
vis 37; WL 7.5; pH 11.5. Finished NU. Pressure-tested Hydril to 1500 psi--  
all other equip. to 5000 psi; pressure-tested csg. to 1700 psi. Ran bit #38  
(8-3/4" Smith V2HJ - SN 333TX) @ 5325'. Now drlg. cmt.

7/5 63 days - Drlg. in Ankareh @ 5408'.  
Drld. 83' in 11½ hrs. MW 8.7; vis 87; WL 9.8; pH 11.0. Pulled bit #38 @ 5327'.  
Bit drld. shoe & 2' of formation in 2½ hrs. Dull grade 8-4-I. PU & TIH  
w/stiff BHA & bit #39 (8-3/4" Smith F5 - SN 766LA) @ 5327'. Bit has drld.  
81' in 11 hrs. Drlg. wt 40,000#; RPM 48.

CHOURNOS #19-1 7/6/78 64 days - Tripping for dropped survey @ 5535'.  
(13,000' Jeff.-WC) Drld. 127' of Ankareh sh in 20-3/4 hrs. MW 8.7; vis 40;  
Rich Co., Utah WL 9.8; pH 10.5. Survey: 3° @ 5440'. Bit #39 has drld.  
Cutoff Canyon Prosp. 208' in 31-3/4 hrs. (May or may not rerun.) Now POH  
to recover dropped survey.

CHOURNOS #19-1 7/7/78 65 days - Drlg. in Ankareh sh @ 5681'. Drld. 146'  
(13,000' Jeff.-WC) in 19 hrs. MW 8.6; vis 40; WL 8.4; pH 10.5.  
Rich Co., Utah Survey: 3¼° @ 5660'. Finished pulling bit #39 @ 5535'.  
Cutoff Canyon Prosp. Dull grade 5-4-I. Ran bit #40 (8-3/4" Hughes J44 -  
SN FB194). Bit has drld. 146' in 19 hrs. Drlg. wt  
40,000#; RPM 48.

CHOURNOS #19-1 7/8/78 66 days - Drlg. in Ankareh @ 5815'. Drld. 134'  
(13,000' Jeff.-WC) in 22½ hrs. MW 8.7; vis 40; WL 10.0; pH 11.0.  
Rich Co., Utah Survey: 3° @ 5790'. Bit #40 has drld. 280' in 41½ hrs.  
Cutoff Canyon Prosp. Drlg. wt 40,000#; RPM 48.

7/9 67 days - TD 5828'. Drld. 13' of Ankareh  
in 6 hrs. WO wireline. MW 8.8; vis 40; WL 9.6; pH 10.5. Pulled bit #40 @  
5828'. Bit drld. 293' in 48 hrs. Dull grade 8-2-1/16". PU Dyna-Drill,  
2° bent sub & bit #41 (8-3/4" Chr. MD331 - SN 8W1326). TIH. Ran direct. surv.  
@ 5778'--2-3/4° S 22° E. Washed to bottom. Prep to orient Dyna-Drill to kick  
hole to the West. Broke wireline while running direct. surv. Now WO wireline.

7/10 68 days - Drlg. in Ankareh @ 5906'. Drld. 78'  
in 17¼ hrs. MW 8.7; vis 40; WL 10.0; pH 11.0. Surveys: 2-3/4° S 10° E @  
5804'; 2-3/4° S 5° W @ 5836'; 2-3/4° S 38° W @ 5867'. WO wireline. Oriented  
tool. Began turning hole @ 5828'. Bit #41 has drld. 78' in 17¼ hrs. Drlg. wt

CHOURNOS #19-1 7/11/78 69 days - TD 5932'. Reaming to bottom  
(13,000' Jeff.-WC) w/6-pt. Drld. 26' of Ankareh in 10½ hrs.  
Rich Co., Utah MW 8.8; vis 41; WL 10.0; pH 11.5. Survey:  
Cutoff Canyon Prosp. 2-3/4° S 79° W @ 5899'. Pulled bit #41 @ 5932'.  
Bit drld. 104' in 27-3/4 hrs. Bit in good condition.  
LD Dyna-Drill & bent sub. TIH w/bit #42 (8-3/4" Sec. M89TF - SN 818850).  
Now reaming to bottom.

CHOURNOS #19-1 7/12/78 70 days - Drlg. in Ankareh @ 5998'.  
(13,000' Jeff.-WC) Drld. 66' in 9½ hrs. MW 8.7; vis 40; WL 10.2; pH 11.0.  
Rich Co., Utah Survey: 4° N 80° W @ 5943'. Pulled bit #42 @ 5971'.  
Cutoff Canyon Prosp. Bit drld. 39' in 5¼ hrs. Dull grade 4-4-3/8" (possibly  
pinched). PU stiff BHA & bit #43 (8-3/4" Sec. M89TF -  
SN 818664) & TIH. Bit has drld. 27' in 4¼ hrs. Drlg. wt 40,000#; RPM 48.

CHOURNOS #19-1 7/13/78 71 days - Drlg. in Ankareh @ 6116'. Drld. 118'  
(13,000' Jeff.-WC) in 21-3/4 hrs. MW 8.6; vis 38; WL 10.0; pH 10.5.  
Rich Co., Utah Surveys: 4-3/4° N 74° W @ 5998'; 5½° N 73° W @ 6061'.  
Cutoff Canyon Prosp. Bit #43 has drld. 145' in 26 hrs. Drlg. wt 40,000#; RPM 48.

CHOURNOS #19-1 7/14/78 72 days - Drlg. in Ankareh @ 6190'. Drld. 74'  
(13,000' Jeff.-WC) in 16 hrs. MW 8.7; vis 38; WL 9.6; pH 10.5.  
Rich Co., Utah Survey: 5-3/4° N 68° W @ 6126'. Pulled bit #43 @ 6187'.  
Cutoff Canyon Prosp. Bit drld. 216' in 40 hrs. Dull grade 8-2-1/16".  
Ran bit #44 (8-3/4" Hughes J55 - SN FB670). Bit has  
drld. 3' in 2 hrs. Drlg. wt 40,000#; RPM 48.

CHOURNOS #19-1 7/15/78 73 days - Drlg. in Ankareh sh @ 6325'.  
(13,000' Jeff.-WC) Drld. 135' in 21-3/4 hrs. MW 8.6; vis 39; WL 10.6; pH 11.0.  
Rich Co., Utah Survey: 5¼° N 71° W @ 6183'. Bit #44 has drld. 138' in  
Cutoff Canyon Prosp. 23-3/4 hrs. Drlg. wt 40,000#; RPM 48.

7/16 74 days - Drlg. in Ankareh @ 6455'. Drld. 130'  
in 21 hrs. MW 8.6; vis 39; WL 10.4; pH 11.0. Survey: 6° N 63° W @ 6407'.  
Bit #44 has drld. 268' in 44-3/4 hrs. Drlg. wt 35,000#; RPM 48.

7/17 75 days - Drlg. in Ankareh @ 6593'. Drld. 138'  
in 21-3/4 hrs. MW 8.6; vis 37; WL 10.4; pH 10.5. Survey: 5-3/4° N 57° W @ 6522'.  
Bit #44 has drld. 406' in 66½ hrs. Drlg. wt 38,000#; RPM 48.

CHOURNOS #19-1 7/18/78 76 days - Running directional survey @ 6741'. Drld  
(13,000' Jeff.-WC) 148' in 22 hrs. MW 8.6, vis 40, WL 10.0, pH 10.5. Surveys:  
Rich Co., Utah 5° N 56° W @ 6595', 4¼° N 57° W @ 6690'. Bit #44 has drld 554'  
Cutoff Canyon Prosp in 88½ hrs. Drlg wt 38,000#; RPM 48.

CHOURNOS #19-1 7/19/78 77 days - Tripping in w/bit #45 @ 6838'.  
(13,000' Jeff.-WC) Drld. 97' of Ankareh sh in 12½ hrs. MW 8.7; vis 39;  
Rich Co., Utah WL 10.2; pH 10.5. Survey: 3¼° N 42° W @ 6784'.  
Cutoff Canyon Prosp. Pulled bit #44 @ 6838'. Bit drld. 651' in 101 hrs.  
Dull grade 5-3-1/16". Now running bit #45 (8-3/4" Smith F5 - SN 871NL) @ 6838'.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/20/78 78 days - Drlg. in Ankareh @ 7042'. Drld. 204'  
in 22 hrs. MW 8.7; vis 37; WL 10.6; pH 11.0.  
Survey: 2¼° N 27° W @ 6873'. Finished running bit #45  
@ 6838'. Bit has drld. 204' in 22 hrs. Drlg. wt 40,000#;  
RPM 48.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/21/78 79 days - Running direct. surv. @ 7070'.  
Drld. 28' of Ankareh sh in 12¼ hrs. MW 8.7; vis 39;  
WL 8.8; pH 10.5. Surveys: 1-3/4° N 10° E @ 7001';  
1-3/4° N 29° E @ 7035'. Pulled bit #45 @ 7051'.  
Bit drld. 213' in 23 hrs. Dull grade 2-3-1/16".

TIH w/Dyna-Drill, bent sub & bit #RR41 (8-3/4" Chr. MD331 - SN 8W1326)  
@ 7051'. Bit has drld. 19' in 11¼ hrs. Now running direct. survey.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/22/78 80 days - Tripping in w/bit @ 7089'. Drld. 19'  
of Ankareh sd & sh in 8½ hrs. MW 8.7; vis 39; WL 10.8; pH 10.5.  
Pulled bit #RR41 @ 7070'. Bit drld. 19' in 11¼ hrs.  
Bit in good condition. Ran bit #46 (8-3/4" Hughes J33 -  
SN KJ168) @ 7070'. Pulled bit #46 @ 7089'. Bit drld. 19'

in 8½ hrs. Dull grade 7-6-I. Now running bit #47 (8-3/4" Hughes J33 - SN 391FG)  
@ 7089'.

7/23 81 days - Tripping out w/bit #48 @ 7132'.

Drld. 43' of Ankareh sd & sh in 7-3/4 hrs. MW 8.7; vis 39; WL 10.4; pH 11.0.  
Surveys: 1¼° N 54° E @ 7069'; 0° dev., 0° direction @ 7111'. Pulled bit #47 @ 7108'.  
Bit drld. 19' in 4½ hrs. Dull grade 4-3-1/16". Ran bit #48 (8-3/4" Smith F4 -  
SN 117RN). Now pulling bit #48 @ 7132'. Bit drld. 24' in 3¼ hrs.

7/24 82 days - Drlg. w/Dyna-Drill @ 7205'. Drld. 73'  
of Ankareh sd & sh in 11-3/4 hrs. MW 8.7; vis 38; WL 10.6; pH 11.0.  
Surveys: ½° S 16° W @ 7129'; 1½° S 42° W @ 7160'. Finished pulling bit #48 @ 7132'.  
Dull grade 6-7-I. Ran Dyna-Drill, bent sub & bit #49 (8-3/4" Chr. MD331 -  
SN 8W 1365). Bit has drld. 73' in 11-3/4 hrs. Drlg. wt 20,000#; RPM 400.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/25/78 83 days - Washing to bottom @ 7246'.  
Drld. 41' of Ankareh sh in 13¼ hrs. MW 8.7; vis 39;  
WL 10.4; pH 11.0. Survey: 2-3/4° S 59° W @ 7192'.  
Pulled bit #49 @ 7246'. Bit drld. 114' in 25 hrs.  
Bit in good condition. LD Dyna-Drill & bent sub.

PU stiff BHA & bit #RR48 (8-3/4" Smith F4 - SN 117RN). Now washing to bottom.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/26/78 84 days - Tripping out w/bit #RR48 @ 7338'.  
Drld. 92' of Ankareh sh in 18-3/4 hrs. MW 8.7; vis 40;  
WL 10.4; pH 10.5. Survey: 4½° S 87° W @ 7252'.  
Now pulling bit #RR48 @ 7338'. Bit drld. 92' in 18-3/4 hrs.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/27/78 85 days - Drlg. in Ankareh @ 7410'. Drld. 72'  
in 16¼ hrs. MW 8.7; vis 39; WL 10.4; pH 11.0.  
Survey: 4¼° S 86° W @ 7312'. Finished pulling bit #RR48  
@ 7338'. Dull grade 8-8-¼". Ran bit #50 (8-3/4" Hughes  
J55R - SN JL983). Bit has drld. 72' in 16¼ hrs.  
Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/28/78 86 days - Drlg. in Ankareh @ 7487'. Drld. 77'  
in 16¼ hrs. MW 8.7; vis 41; WL 10.4; pH 11.0.  
Survey: 4¼° S 86° W @ 7376' & 7435'. Pulled bit #50  
@ 7426'. Bit drld. 88' in 19½ hrs. Dull grade 8-3-1/16".  
Ran bit #51 (8-3/4" Hughes J55 - SN FB246). Bit has  
drld. 61' in 13 hrs. Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/29/78 87 days - Drlg. in Ankareh @ 7623'. Drld. 136'  
in 19½ hrs. MW 8.7; vis 40; WL 9.8; pH 10.5.  
Surveys: 4° S 86° W @ 7439'; 3½° S 84° W @ 7564'.  
Bit #51 has drld. 197' in 32½ hrs. Drlg.wt 45,000#; RPM 50.  
7/30 88 days - Tripping in w/bit #52 @ 7711'. Drld.  
88' of Ankareh in 15¼ hrs. MW 8.7; vis 39; WL 9.2; pH 10.5. Survey: 3½° S  
89° W @ 7625'. Pulled bit #51 @ 7711'. Bit drld. 285' in 47-3/4 hrs.  
Dull grade 4-2-1/16". Now running bit #52 (8-3/4" Sec. M89F - SN 819090) @ 7711'.  
7/31 89 days - TD 7764'. Drld. 53' of Ankareh sh  
in 10½ hrs. Tripping in w/bit #52. MW 8.7; vis 38; WL 9.2; pH 11.0. Lost pump  
pressure. POH. Found cracked box on DC. Now tripping back to bottom w/bit #52.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NO.

6. IF APPLICABLE, ALLOTMENT OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. OPERATOR OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

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

12. COUNTY OR PARISH

13. STATE

**RECEIVED**  
AUG 10 1978  
DIVISION OF OIL, GAS, AND MINING

Chadras

1. OIL WELL  GAS WELL  OTHER (Drilling)

2. NAME OF OPERATOR  
American Quasar Petroleum Co.

3. ADDRESS OF OPERATOR  
204 Superior Bldg., Casper, Wyo. 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface 190' FNL & 970' FEL

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15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6798' GR

12. COUNTY OR PARISH  
Rich

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
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SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
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SIGNED John F. Sindelar TITLE Division Drlg. Supt. DATE 8/4/78

(This space for Federal or State office use)

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

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@ 5778'--2-3/4° S 22° E. Washed to bottom. Prep to orient Dyna-Drill to kick  
hole to the West. Broke wireline while running direct. surv. Now WO wireline.

7/10 68 days - Drlg. in Ankareh @ 5906'. Drld. 78'  
in 17¼ hrs. MW 8.7; vis 40; WL 10.0; pH 11.0. Surveys: 2-3/4° S 10° E @  
5804'; 2-3/4° S 5° W @ 5836'; 2-3/4° S 38° W @ 5867'. WO wireline. Oriented  
tool. Begin turning hole @ 5828'. Bit #41 has drld. 78' in 17¼ hrs. Drlg. wt

CHOURNOS #19-1 7/11/78 69 days - TD 5932'. Reaming to bottom  
(13,000' Jeff.-WC) w/6-pt. Drld. 26' of Ankareh in 10½ hrs.  
Rich Co., Utah MW 8.8; vis 41; WL 10.0; pH 11.5. Survey:  
Cutoff Canyon Prosp. 2-3/4° S 79° W @ 5899'. Pulled bit #41 @ 5932'.  
Bit drld. 104' in 27-3/4 hrs. Bit in good condition.  
LD Dyna-Drill & bent sub. TIH w/bit #42 (8-3/4" Sec. M89TF - SN 818850).  
Now reaming to bottom.

CHOURNOS #19-1 7/12/78 70 days - Drlg. in Ankareh @ 5998'.  
(13,000' Jeff.-WC) Drld. 66' in 9½ hrs. MW 8.7; vis 40; WL 10.2; pH 11.0.  
Rich Co., Utah Survey: 4° N 80° W @ 5943'. Pulled bit #42 @ 5971'.  
Cutoff Canyon Prosp. Bit drld. 39' in 5¼ hrs. Dull grade 4-4-3/8" (possibly  
pinched). PU stiff BHA & bit #43 (8-3/4" Sec. M89TF -  
SN 818664) & TIH. Bit has drld. 27' in 4¼ hrs. Drlg. wt 40,000#; RPM 48.

CHOURNOS #19-1 7/13/78 71 days - Drlg. in Ankareh @ 6116'. Drld. 118'  
(13,000' Jeff.-WC) in 21-3/4 hrs. MW 8.6; vis 38; WL 10.0; pH 10.5.  
Rich Co., Utah Surveys: 4-3/4° N 74° W @ 5998'; 5½° N 73° W @ 6061'.  
Cutoff Canyon Prosp. Bit #43 has drld. 145' in 26 hrs. Drlg. wt 40,000#; RPM 48.

CHOURNOS #19-1 7/14/78 72 days - Drlg. in Ankareh @ 6190'. Drld. 74'  
(13,000' Jeff.-WC) in 16 hrs. MW 8.7; vis 38; WL 9.6; pH 10.5.  
Rich Co., Utah Survey: 5-3/4° N 68° W @ 6126'. Pulled bit #43 @ 6187'.  
Cutoff Canyon Prosp. Bit drld. 216' in 40 hrs. Dull grade 8-2-1/16".  
Ran bit #44 (8-3/4" Hughes J55 - SN FB670). Bit has  
drld. 3' in 2 hrs. Drlg. wt 40,000#; RPM 48.

CHOURNOS #19-1 7/15/78 73 days - Drlg. in Ankareh sh @ 6325'.  
(13,000' Jeff.-WC) Drld. 135' in 21-3/4 hrs. MW 8.6; vis 39; WL 10.6; pH 11.0.  
Rich Co., Utah Survey: 5¼° N 71° W @ 6183'. Bit #44 has drld. 138' in  
Cutoff Canyon Prosp. 23-3/4 hrs. Drlg. wt 40,000#; RPM 48.

7/16 74 days - Drlg. in Ankareh @ 6455'. Drld. 130'  
in 21 hrs. MW 8.6; vis 39; WL 10.4; pH 11.0. Survey: 6° N 63° W @ 6407'.  
Bit #44 has drld. 268' in 44-3/4 hrs. Drlg. wt 35,000#; RPM 48.

7/17 75 days - Drlg. in Ankareh @ 6593'. Drld. 138'  
in 21-3/4 hrs. MW 8.6; vis 37; WL 10.4; pH 10.5. Survey: 5-3/4° N 57° W @ 6522'.  
Bit #44 has drld. 406' in 66½ hrs. Drlg. wt 38,000#; RPM 48.

CHOURNOS #19-1 7/18/78 76 days - Running directional survey @ 6741'. Drld  
(13,000' Jeff.-WC) 148' in 22 hrs. MW 8.6, vis 40, WL 10.0, pH 10.5. Surveys:  
Rich Co., Utah 5° N 56° W @ 6595', 4¼° N 57° W @ 6690'. Bit #44 has drld 554'  
Cutoff Canyon Prosp. in 88½ hrs. Drlg wt 38,000#; RPM 48.

CHOURNOS #19-1 7/19/78 77 days - Tripping in w/bit #45 @ 6838'.  
(13,000' Jeff.-WC) Drld. 97' of Ankareh sh in 12½ hrs. MW 8.7; vis 39;  
Rich Co., Utah WL 10.2; pH 10.5. Survey: 3¼° N 42° W @ 6784'.  
Cutoff Canyon Prosp. Pulled bit #44 @ 6838'. Bit drld. 651' in 101 hrs.  
Dull grade 5-3-1/16". Now running bit #45 (8-3/4"  
Smith F5 - SN 871NL) @ 6838'.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/20/78 78 days - Drlg. in Ankareh @ 7042'. Drld. 204'  
in 22 hrs. MW 8.7; vis 37; WL 10.6; pH 11.0.  
Survey: 2¼° N 27° W @ 6873'. Finished running bit #45  
@ 6838'. Bit has drld. 204' in 22 hrs. Drlg. wt 40,000#;  
RPM 48.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/21/78 79 days - Running direct. surv. @ 7070'.  
Drld. 28' of Ankareh sh in 12¼ hrs. MW 8.7; vis 39;  
WL 8.8; pH 10.5. Surveys: 1-3/4° N 10° E @ 7001';  
1-3/4° N 29° E @ 7035'. Pulled bit #45 @ 7051'.  
Bit drld. 213' in 23 hrs. Dull grade 2-3-1/16".

TIH w/Dyna-Drill, bent sub & bit #RR41 (8-3/4" Chr. MD331 - SN 8W1326)  
@ 7051'. Bit has drld. 19' in 11¼ hrs. Now running direct. survey.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/22/78 80 days - Tripping in w/bit @ 7089'. Drld. 19'  
of Ankareh sd & sh in 8½ hrs. MW 8.7; vis 39; WL 10.8; pH 10.5.  
Pulled bit #RR41 @ 7070'. Bit drld. 19' in 11¼ hrs.  
Bit in good condition. Ran bit #46 (8-3/4" Hughes J33 -  
SN KJ168) @ 7070'. Pulled bit #46 @ 7089'. Bit drld. 19'

in 8½ hrs. Dull grade 7-6-I. Now running bit #47 (8-3/4" Hughes J33 - SN 391FG)  
@ 7089'.

7/23 81 days - Tripping out w/bit #48 @ 7132'.

Drld. 43' of Ankareh sd & sh in 7-3/4 hrs. MW 8.7; vis 39; WL 10.4; pH 11.0.  
Surveys: 1¼° N 54° E @ 7069'; 0° dev., 0° direction @ 7111'. Pulled bit #47 @ 7108'.  
Bit drld. 19' in 4½ hrs. Dull grade 4-3-1/16". Ran bit #48 (8-3/4" Smith F4 -  
SN 117RN). Now pulling bit #48 @ 7132'. Bit drld. 24' in ¾ hrs.

7/24 82 days - Drlg. w/Dyna-Drill @ 7205'. Drld. 73'

of Ankareh sd & sh in 11-3/4 hrs. MW 8.7; vis 38; WL 10.6; pH 11.0.  
Surveys: ½° S 16° W @ 7129'; 1½° S 42° W @ 7160'. Finished pulling bit #48 @ 7132'.  
Dull grade 6-7-I. Ran Dyna-Drill, bent sub & bit #49 (8-3/4" Chr. MD331 -  
SN 8W 1365). Bit has drld. 73' in 11-3/4 hrs. Drlg. wt 20,000#; RPM 400.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/25/78 83 days - Washing to bottom @ 7246'.  
Drld. 41' of Ankareh sh in 13¼ hrs. MW 8.7; vis 39;  
WL 10.4; pH 11.0. Survey: 2-3/4° S 59° W @ 7192'.  
Pulled bit #49 @ 7246'. Bit drld. 114' in 25 hrs.  
Bit in good condition. LD Dyna-Drill & bent sub.

PU stiff BHA & bit #RR48 (8-3/4" Smith F4 - SN 117RN). Now washing to bottom.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/26/78 84 days - Tripping out w/bit #RR48 @ 7338'.  
Drld. 92' of Ankareh sh in 18-3/4 hrs. MW 8.7; vis 40;  
WL 10.4; pH 10.5. Survey: 4½° S 87° W @ 7252'.  
Now pulling bit #RR48 @ 7338'. Bit drld. 92' in 18-3/4 hrs.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/27/78 85 days - Drlg. in Ankareh @ 7410'. Drld. 72'  
in 16¼ hrs. MW 8.7; vis 39; WL 10.4; pH 11.0.  
Survey: 4¼° S 86° W @ 7312'. Finished pulling bit #RR48  
@ 7338'. Dull grade 8-8-¼". Ran bit #50 (8-3/4" Hughes  
J55R - SN JL983). Bit has drld. 72' in 16¼ hrs.  
Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/28/78 86 days - Drlg. in Ankareh @ 7487'. Drld. 77'  
in 16¼ hrs. MW 8.7; vis 41; WL 10.4; pH 11.0.  
Survey: 4¼° S 86° W @ 7376' & 7435'. Pulled bit #50  
@ 7426'. Bit drld. 88' in 19½ hrs. Dull grade 8-3-1/16".  
Ran bit #51 (8-3/4" Hughes J55 - SN FB246). Bit has  
drld. 61' in 13 hrs. Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

7/29/78 87 days - Drlg. in Ankareh @ 7623'. Drld. 136'  
in 19½ hrs. MW 8.7; vis 40; WL 9.8; pH 10.5.  
Surveys: 4° S 86° W @ 7439'; 3½° S 84° W @ 7564'.  
Bit #51 has drld. 197' in 32½ hrs. Drlg. wt 45,000#; RPM 50.  
7/30 88 days - Tripping in w/bit #52 @ 7711'. Drld.

88' of Ankareh in 15¼ hrs. MW 8.7; vis 39; WL 9.2; pH 10.5. Survey: 3½° S  
89° W @ 7625'. Pulled bit #51 @ 7711'. Bit drld. 285' in 47-3/4 hrs.  
Dull grade 4-2-1/16". Now running bit #52 (8-3/4" Sec. M89F - SN 819090) @ 7711'.  
7/31 89 days - TD 7764'. Drld. 53' of Ankareh sh  
in 10½ hrs. Tripping in w/bit #52. MW 8.7; vis 38; WL 9.2; pH 11.0. Lost pump  
pressure. POH. Found cracked box on DC. Now tripping back to bottom w/bit #52.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

**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.)

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> <span style="margin-left: 20px;">Dry</span></p> <p>2. NAME OF OPERATOR American Quasar Petroleum Co.</p> <p>3. ADDRESS OF OPERATOR 204 Superior Bldg., Casper, Wyo. 82601</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  190' FNL &amp; 970' FEL</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. Fee</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Chournos</p> <p>9. WELL NO. 19-1</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA 19-9N-6E</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether sv, rt, or, etc.) 6798' GR</p>
<p>12. COUNTY OR PARISH <span style="margin-left: 100px;">13. STATE</span> Rich <span style="margin-left: 100px;">Utah</span></p>	

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

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

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

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

Per verbal approval on August 23, 1978, from Patrick Driscoll, this well will be plugged and abandoned as follows:

- Set 20" csg @ 60' - cmt. to surf.
- Set 13-3/8" csg @ 588' - cmt. to surf.
- Set 9-5/8" csg @ 5325' - 530 sx cmt.

As much 9-5/8" csg. as possible will be pulled.

- Plugs will be set as follows:
- 8480-9210' - 300 sx Class G
  - 5200-5470' - 100 sx Class G
  - 4310-4450' - 100 sx Class G
  - 520- 660' - 100 sx Class G
  - Surface - 10 sx Class G

APPROVED BY THE DIVISION OF  
 OIL, GAS AND MINING  
 DATE: August 25, 1978  
 BY: *Patrick Driscoll*

Electric Log Tops:

Twin Creek -	surface
Nugget -	1388'
Ankareh -	4448'
Thaynes -	8772'

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

SIGNED *Kay J. Kaltenbacher* TITLE Division Dirg. Engr. DATE 8/23/78  
Kay J. Kaltenbacher  
 (This space for Federal or State office use)

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

\*See Instructions on Reverse Side

August 24, 1978

MEMO TO FILE

Re: American Quasar  
Well # Chournos 19-1  
Sec. 19, T. 9N, R. 6E  
Rich County, Utah

American Quasar requested permission to plug and abandon this well. The pertinent information is:

10 3/4" surface pipe at 585'  
9 5/8" intermediate at 5,325'

Twin Creek	Surface
Nugget	1,388'
Ankareh	4,448'
Thaynes	8,772'
T.D.	9,210'

Well has been plugged from 8,575' - 9,210' awaiting a decision to deviate hole or plug and abandon.

To plug and abandon, the following program was given: 100 sacks across top of Ankareh and Bottom of Nugget; 100 sacks half-in and half-out of bottom of Surface pipe. A 10 sack plug will be set at surface and a reg. dry hole marker will be erected.

PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER  
DIVISION OF OIL, GAS, & MINING

PLD/1w

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPPLICATE\*  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> Dry		5. <b>LEASE DESIGNATION AND SERIAL NO.</b> Fee
2. <b>NAME OF OPERATOR</b> American Quasar Petroleum Co.		6. <b>IF INDIAN, ALLOTTEE OR TRIBE NAME</b>
3. <b>ADDRESS OF OPERATOR</b> 204 Superior Bldg., Casper, Wyo. 82601		7. <b>UNIT AGREEMENT NAME</b>
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 190' FNL & 970' FEL		8. <b>FARM OR LEASE NAME</b> Chournos
14. <b>PERMIT NO.</b>	15. <b>ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 6798' GR	9. <b>WELL NO.</b> 19-1
		10. <b>FIELD AND POOL, OR WILDCAT</b> Wildcat
		11. <b>SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> 19-9N-6E
		12. <b>COUNTY</b> Rich
		13. <b>STATE</b> Utah

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

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

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

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

Per verbal approval on August 23, 1978 from Patrick Driscoll, this well was plugged as follows:

8480 - 9210' - 300 sx Class G  
 5200- 5470' - 100 sx Class G  
 4310- 4450' - 100 sx Class G  
 Csg. parted @ 330'  
 330'- 15' - 200 sx Class G

Job complete August 25, 1978.



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

SIGNED John F. Sindelar TITLE Division Drlg. Supt. DATE 8/30/78

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

**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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER (P&amp;A 8/25/78 - now RDRT)</p> <p>2. NAME OF OPERATOR American Quasar Petroleum Co.</p> <p>3. ADDRESS OF OPERATOR 204 Superior Bldg., Casper, Wyo. 82601</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 190' FNL &amp; 970' FEL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME P</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Chournos</p> <p>9. WELL NO. 19-1</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA 19-9N-6E</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, NT, GR, etc.) 6798' GR</p>	<p>12. COUNTY OR PARISH Rich</p> <p>13. STATE Utah</p>

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

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

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

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

This is a Monthly Report of Operations for period 8/1-31/78  
(see attached chronological report).

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

SIGNED John F. Sindelar TITLE Division Dirg. Supt. DATE 9/1/78  
(This space for Federal or State office use)

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

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CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

8/1/78 90 days - Drlg. in Ankareh @ 7869'. Drld. 105'  
in 18½ hrs. MW 8.7; vis 38; WL 8.8; pH 10.5.  
Survey: 3½° N 89° W @ 7816'. Bit #52 has drld. 158' in  
29 hrs. Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

8/2/78 91 days - Tripping in w/bit #53 @ 7957'. Drld. 88'  
in 17½ hrs. MW 8.8; vis 40; WL 8.8; pH 11.0.  
Survey: 3½° S 89° W @ 7910'. Pulled bit #52 @ 7957'.  
Bit drld. 246' in 46½ hrs. Dull grade 8-3-1/16".  
Now running bit #53 (8-3/4" Hughes J55R - SN JN225)  
@ 7957'.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

8/3/78 92 days - Drlg. in Ankareh @ 8057'. Drld. 100'  
in 14-3/4 hrs. MW 8.8; vis 37; WL 10.0; pH 10.0.  
Survey: 3-3/4° N 83° W @ 8006'. Finished TIH w/bit #53  
@ 7957'. Bit has drld. 100' in 14-3/4 hrs.  
Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1  
(13,000' Jeff.-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

8/4/78 93 days - Drlg. in dolomite @ 8192'. Drld. 135'  
in 22½ hrs. MW 8.8; vis 39; WL 10.0; pH 11.0.  
Survey: 3-3/4° N 85° W @ 8101'. Bit #53 has drld.  
235' in 37½ hrs. Thaynes sample top: 8165'.  
Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1 8/5/78 94 days - Drlg. in gry dolomite @ 8275'.  
(13,000' Jeff.-WC) Drld. 83' in 13 hrs. MW 8.8; vis 38; WL 9.6; pH 11.0.  
Rich Co., Utah Survey: 4° N 80° W @ 8193'. Pulled bit #53 @ 8269'.  
Cutoff Canyon Prosp. Bit drld. 312' in 49½ hrs. Dull grade 6-3-1/16".  
Ran bit #54 (8-3/4" Smith F57 - SN 175KC). Bit has  
drld. 6' in 3/4 hr. Drlg. wt 45,000#; RPM 50.

CHOURNOS #19-1(cont) 8/6/78 95 days - Drlg. in dolomite @ 8340'.  
Rich Co., Utah Drld. 65' in 16-3/4 hrs. MW 8.8; vis 38; WL 10.0;  
pH 11.0. Survey: 3-3/4° N 78° W @ 8290'. Pulled  
bit #54 @ 8339'. Bit drld. 70' in 16 hrs. Dull grade 6-2-1/16". Ran bit #55  
(8-3/4" Smith F6 - SN 075RR). Bit has drld. 1' in ¼ hr. Drlg. wt 45,000#;  
RPM 45.

8/7 96 days - Drlg. in sd, sltstn & dolomite  
@ 8387'. Drld. 47' in 15-3/4 hrs. MW 8.8; vis 38; WL 11.2; pH 11.0.  
Pulled bit #55 @ 8372'. Bit drld. 33' in 12 hrs. Dull grade 6-2-1/32".  
Ran bit #56 (8-3/4" Reed FP83J - SN 333183). Bit has drld. 15' in 4 hrs.  
Drlg. wt 45,000#; RPM 40.

CHOURNOS #19-1 8/8/78 97 days - Drlg. in sd, sh & dolomite @ 8471'.  
(13,000' Jeff.-WC) Drld. 84' in 22¼ hrs. MW 8.8; vis 38; WL 10.4; pH 10.5.  
Rich Co., Utah Survey: 4° N 80° W @ 8385'. Bit #56 has drld. 99' in  
Cutoff Canyon Prosp. 26¼ hrs. Drlg. wt 45,000#; RPM 40.

CHOURNOS #19-1 8/9/78 98 days - Drlg. in red sd, sh & dolomite @ 8563'.  
(13,000' Jeff.-WC) Drld. 92' in 22½ hrs. MW 8.8; vis 38; WL 10.8; pH 10.5.  
Rich Co., Utah Survey: 4¼° N 73° W @ 8511'. Bit #56 has drld. 191'  
Cutoff Canyon Prosp. in 48-3/4 hrs. Drlg. wt 45,000#; RPM 40.

CHOURNOS #19-1 8/10/78 99 days - TD 8592'. Repairing rig.  
(13,000' Jeff.-WC) Drld. 29' of slt & sh in 9¼ hrs. MW 8.8; vis 39; WL 10.4;  
Rich Co., Utah pH 11.0. Pulled bit #56 @ 8592'. Bit drld. 220' in  
Cutoff Canyon Prosp. 58 hrs. Dull grade 3-2-I. Now changing out bolts on  
brake flanges.

CHOURNOS #19-1 8/11/78 100 days - Drlg. in slt & sh @ 8705'. Drld. 113'  
(13,000' Jeff.-WC) in 17-3/4 hrs. MW 8.8; vis 39; WL 10.6; pH 10.5.  
Rich Co., Utah Survey: 5¼° N 70° W @ 8605'. Finished repairing rig.  
Cutoff Canyon Prosp. Ran bit #57 (8-3/4" Hughes J55R - SN JK964) @ 8592'.  
Bit has drld. 113' in 17-3/4 hrs. Drlg. wt 45,000#; RPM 45.

CHOURNOS #19-1 8/12/78 101 days - Tripping out w/bit @ 8828'.  
(13,000' Jeff.-WC) Drld. 123' of silt & dolomite in 21-3/4 hrs. MW 8.8;  
Rich Co., Utah vis 38; WL 10.4; pH 11.0. Survey: 6° N 66° W @ 8703'.  
Cutoff Canyon Prosp. Now pulling bit #57 @ 8828'. Bit drld. 236' in 39½ hrs.

8/13 102 days - Drlg. in gry sltstn @ 8897'.  
Drld. 69' in 14-3/4 hrs. MW 8.8; vis 39; WL 10.0; pH 10.5. Survey:  
6-3/4° N 65° W @ 8794'. Finished pulling bit #57 @ 8828'. Dull grade 8-3-1/16".  
Ran bit #58 (8-3/4" Hughes J77 - SN MM318). Bit has drld. 69' in 14-3/4 hrs.  
Drlg. wt 45,000#; RPM 45.

8/14 103 days - TD 8935'. Drld. 38' of silt &  
dolomite (poss. Dinwoody) in 9½ hrs. Running DST #1. MW 8.8; vis 38; WL 10.0;  
pH 10.5. Pulled bit #58 @ 8935' for DST #1. Bit drld. 107' in 24¼ hrs.  
Dull grade 4-3-1/32". Now running DST #1 - 8750-8935'.

CHOURNOS #19-1 8/15/78 104 days - Drlg. in Dinwoody sltstn @ 8981'.  
(13,000' Jeff.-WC) Drld. 46' in 10½ hrs. MW 8.7; vis 38; WL 8.0; pH 10.5.  
Rich Co., Utah Survey: 7¼° N 65° W @ 8888'. Finished running DST #1 -  
Cutoff Canyon Prosp. 8750-8935' (Dinwoody) - w/345' amm. WC. TO 10 min--  
w/very wk blow; SI 60 min; TO 60 min--w/no blow;  
SI 120 min. Pulled DST #1 to rec. 345' WC. Bomb depth 8755'. IHP 4022;  
IFP 196/196; ISIP 256; FFP 211/211; FSIP 302; FHP 2975; BHT 140° F.  
Smplr. cap: 2100 cc's; rec. @ 15 psi, 2100 cc's drlg. mud. Reran bit #58  
(8-3/4" Reed FP83J - SN 333183) @ 8935'. Bit has drld. total of 153' in  
34-3/4 hrs. Drlg. wt 45,000#; RPM 45.

CHOURNOS #19-1 8/16/78 105 days - Tripping out w/bit #RR56 @ 9056'  
(13,000' Jeff.-WC) (erroneously shown as bit #RR58 on 8/15/78 report).  
Rich Co., Utah Bit drld. 75' of ls in 19½ hrs. MW 8.7; vis 38; WL 9.2;  
Cutoff Canyon Prosp. pH 11.0. Survey: 7-3/4° N 65° W @ 8985'. Now pulling  
bit #RR56 @ 9056'. Bit drld. 121' in 30 hrs.  
Drlg. wt 45,000#; RPM 45.

CHOURNOS #19-1 8/17/78 106 days - Drlg. in Dinwoody sltstn @ 9108'.  
(13,000' Jeff.-WC) Drld. 52' in 15½ hrs. MW 8.8; vis 38; WL 9.2; pH 10.5.  
Rich Co., Utah Finished pulling bit #RR56 @ 9056'. Dull grade 3-2-I.  
Cutoff Canyon Prosp. Ran bit #59 (8-3/4" Smith F57 - SN 259TN). Bit has  
drld. 52' in 15½ hrs. Drlg. wt 35,000#; RPM 50.

CHOURNOS #19-1 8/18/78 <sup>107</sup>109 days - Drlg in sltstn @ 9184'. Drld 76' in 21½ hrs.  
(13,000' Jeff-WC) MW 8.7, vis 39, WL 8.8, pH 10.5. Surveys: 10¼° N 65° W @  
Rich Co., Utah 9116', 12¼° N 64° W @ 9142'. Bit #59 has drld 128' in 38 hrs.  
Cutoff Canyon Prosp Running 60' pendulum. Survey @ 9124': true vertical depth-  
9113'. Closure: S86° 30" W 218.29'. Drlg wt-30,000; RPM-50.

CHOURNOS #19-1 8/19/78 108 days - TD 9214'. Drld. 30' of sltstn in 9 hrs.  
(13,000' Jeff-WC) Logging w/Schlumberger. MW 8.7; vis 38; WL 8.8; pH 10.5.  
Rich Co., Utah Survey: 14½° N 62° W @ 9198'. Pulled bit #59 @ 9214'  
Cutoff Canyon Prosp. for elec. logs. Bit drld. 158' in 46 hrs. Dull grade 4-2-I.  
Ran DIL & Sonic-GR. Now finishing logging.

8/20 109 days - TD 9214'. Circ. to plug back.  
MW 8.7; vis 88; WL 10.5; pH 12.0. Ran Neutron Density & Dipmeter 9225-5325'  
(Schl.depth). Now circ., prep to PB to run directionally-drilled hole in attempt  
to control drastic angle buildup 9100-9200'.

8/21 110 days - PBDT 8457'. WOC. MW 8.7; vis 88;  
WL 9.2; pH 12.0. RU Halliburton. Set 300-sk Class G plug w/20# sd/sk 9210-8400'.  
PU bit #60 (8-3/4" Hughes OWWJ - SN EJ145) & TIIH. Tagged plug @ 8457'.  
Now circ. & WOC, prep to dress off plug for Dyna-Drill run.

CHOURNOS #19-1 8/22/78 111 days - TD 9214'; new PBTD 8575'.  
(13,000' Jeff-WC) TIH w/Dyna-Drill. MW 8.6; vis 35; WL 11.8; pH 11.0.  
Rich Co., Utah Polished plug w/bit #60 - 8457-8575'. FOH. PU Dyna-Drill,  
Cutoff Canyon Prosp. bent sub & bit #61 (8-3/4" Chr. MB43ST - SN 8W1433).  
Now TIH w/Dyna-Drill.

CHOURNOS #19-1 8/23/78 112 days - TD 8580'. Drld. 5' of Thaynes  
(13,000' Jeff-WC) in 4 hrs. Tripping out to run velocity survey.  
Rich Co., Utah MW 8.7; vis 38; WL 8.0; pH 11.5. Finished TIH  
Cutoff Canyon Prosp. w/Dyna-Drill. Oriented tool; drld. 5'; tripped out.  
Pulled bit #61 @ 8580'. Bit drld. 5' in 4 hrs. Bit in  
good condition. Ran bit #RR60 (8-3/4" Hughes OWV - SN EJ145). Circ. &  
cond. hole. Now tripping out to run velocity survey.

CHOURNOS #19-1 8/24/78 113 days - TD 8580'. Circ. & cond. hole to plug.  
(13,000' Jeff-WC) MW 8.8; vis 86; WL 8.0; pH 11.5. Finished running  
Rich Co., Utah veloc. survey. Now circulating, prep to plug.  
Cutoff Canyon Prosp.

CHOURNOS #19-1 8/25/78 114 days - TD 8580'. Rcvd orders to plug @ 7 AM 8/25/78.  
(13,000' Jeff-WC) Ran plugs as follows: 100 sx Class G 5482-5212', 100 sx 4230-  
Rich Co., Utah 4460'. Now RU TriState spear; prep to pull 9 5/8" csg.  
Cutoff Canyon Prosp.

CHOURNOS #19-1 8/26/78 115 days - TD 8580'. RDRT. Latched onto csg.  
(13,000' Jeff-WC) Pulled slips. Csg. parted @ 330'. Pulled csg. LD DP.  
Rich Co., Utah Set 200-sk Class G plug 330-15'. Now RDRT.  
Cutoff Canyon Prosp. 8/27-28 RDRT.

CHOURNOS #19-1 8/29/78 118 days - RDRT.  
(13,000' Jeff-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

CHOURNOS #19-1 8/30/78 119 days - RDRT.  
(13,000' Jeff-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.

CHOURNOS #19-1 8/31/78 120 days - RDRT.  
(13,000' Jeff-WC)  
Rich Co., Utah  
Cutoff Canyon Prosp.





SCOTT M. MATHESON  
Governor

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

CLEON B. FEIGHT  
Director

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

October 6, 1978

OIL, GAS, AND MINING BOARD

I. DANIEL STEWART  
Chairman

CHARLES R. HENDERSON  
JOHN L. BELL  
THADIS W. BOX  
C. RAY JUVELIN

American Quasar Petroleum Co.  
204 Superior Bldg.  
Casper, Wyoming 82501

Re: Well No. Chournos 19-1  
Sec. 19, T. 9N, R. 6E,  
Rich County, Utah  
Request for Electric Logs

Gentlemen:

According to our records, a "Well Completion Report" filed with this office 9-14-78 from above referred to well(s) indicates the following electric logs were run: **DIL, DLL, Sonic-GRw/Caliper, BHC Sonic, CNFD, Dipmeter**

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS & MINING

*Kathy Ostler*  
KATHY OSTLER  
RECORDS CLERK

# INSTRUCTIONS

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

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

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
<b>37. SUMMARY OF POROUS ZONES:</b> SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			
			DST #1 - 8750-8935' (Dinwoody) - w/345' ammonia WC. TO 10 min. w/very wk blow; SI 60 min; TO 60 min. w/no blow; SI 120 min. Pulled to rec. 345' WC. IHP 4022; IFP 196/196; ISIP 256; FFP 211/211; FSIP 302; FHP 2975.
<b>38. GEOLOGIC MARKERS</b>			
NAME	NEAR. DEPTH	TOP	PLUS VERT. DEPTH
Electric Log	Tops		
Twin Creek	Surf.		
Nugget	1388		
Ankareh	4448		
Thaynes	8772		