

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 12/11/78

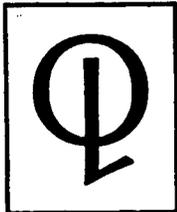
Location Inspected

OW..... WW..... TA.....
GW..... OS..... PA.....

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.....



AMERICAN QUASAR PETROLEUM CO.

330 PACIFIC WESTERN LIFE BUILDING / CASPER / WYOMING 82601 U.S.A. / TELEPHONE (307) 265-3362

OUR NEW ADDRESS:

204 SUPERIOR BLDG.
201 N. WILCOTT

June 27, 1978

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

Re: Duck Creek Federal #7-1
1353.7' FNL & 1315.3' FEL
Section 7, T. 12N, R. 7E
Rich County, Utah

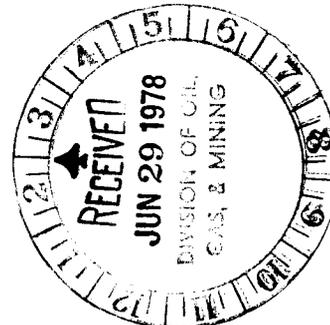
Gentlemen:

For your approval, we enclose herewith USGS Form 9-331C, Application for Permit to Drill, surveyor's plat, and 10-Point Plan covering the captioned well, all in duplicate.

Very truly yours,

Kary J. Kaltenbacher
Kary J. Kaltenbacher *th.*
Division Drilling Engineer

bh
Enc's



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 American Quasar Petroleum Co. of New Mexico

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1353.7' FNL & 1315.3' FEL
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 8 miles southeast of Laketown, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1315.3'
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

16. NO. OF ACRES IN LEASE 1974.97
 19. PROPOSED DEPTH 10,000'

17. NO. OF ACRES ASSIGNED TO THIS WELL
 20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6824' GR
 22. APPROX. DATE WORK WILL START* 7/1/78

5. LEASE DESIGNATION AND SERIAL NO. U-25462
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME Duck Creek Federal
 9. WELL NO. 7-1
 10. FIELD AND POOL, OR WILDCAT Wildcat
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 7-12N-7E
 12. COUNTY OR PARISH Rich
 13. STATE Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	60'	Circ. to surf.
17-1/2"	13-3/8"	54.5#	1,000'	1000 sx (circ. to surf.)
12-1/4"	9-5/8"	40#	5,000'	800 sx
8-3/4"	7"	23#	10,000'	600 sx

We plan to test all zones through the Nugget formation which exhibit evidence of hydrocarbons and effective porosity. If the well is productive, a 7" production string will be run and cemented and the well completed through perforations.

The 9-5/8" intermediate string may not be run if severe hole problems are not encountered.

(See attached 10-point plan for additional information.)

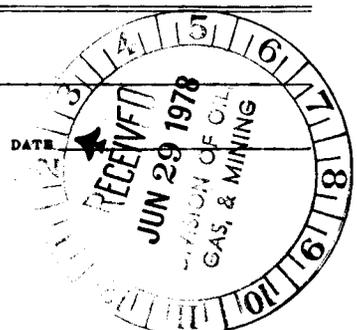
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED Kary J. Kaltentrucher TITLE Division Drlg. Engr. DATE 5/11/78
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



TEN POINT PLAN

Duck Creek Federal #7-1
NE¼ Section 7-12N-7E
Rich County, Utah

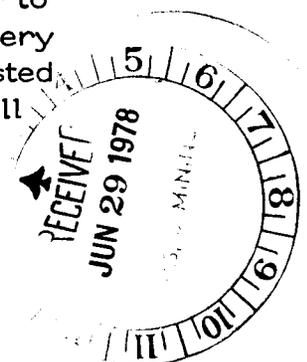
1. This well will be spudded penetrating Tertiary rock at the surface.
2. Estimated tops of important geologic markers are:

Tertiary	Surface
Nugget	500'
Ankareh	1,000'
Thaynes	2,600'
Woodside	5,600'
Dinwoody	7,000'
Phosphoria	7,600'
Wells	8,000'
Amsden	8,600'
Miss.	9,100'
Thrust Fault	9,500'
Nugget	9,501'
T.D.	10,000'

3. Porosity is expected to be encountered with the potential of either oil and gas or water production from the following zones:

Thaynes	2,600'	Gas
Dinwoody	7,000'	Gas
Phosphoria	7,600'	Gas
Wells	8,000'	Gas
Miss.	9,100'	Gas
Nugget	9,501'	Oil

4. The proposed casing program is indicated under Item 23 on Form 9-331C attached. All new casing will be used.
5. The blowout preventer specifications and schematic are attached as a separate exhibit. Yellow Jacket Testers will test the blind rams, pipe rams and manifold to their 5000 psi working pressure rating and the hydril to 2500 psi prior to drilling out surface pipe and intermediate casing and every 30 days thereafter. Pipe rams will be operationally tested daily. Blind rams will be operationally tested when drill pipe is out of hole.



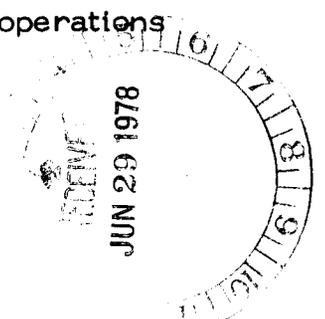
6. This well will be spudded and drilled to 1000' using fresh water and gel as necessary to clean hole. From 1000' to TD, a gel-dispersed mud system will be used with additions of CMC or other water loss control agents will be added to maintain a 6-8 cc water loss. No abnormal pressures are expected but weighting material (Barite) will be kept on location for possible use. The mud weight will be 9.0-9.4 ppg, and the viscosity 36-40 sec/qt.
7. Drill string will have an upper and lower kelly cock, PVT and flow sensor equipment, and floor valve will be used. No float will be used at bit. A mud logger with H₂S detector will be used from surface to TD.
8. Drill stem tests will be taken of all zones that indicate porosity and hydrocarbons. The logging program will be as follows:

Dual Laterolog	1,000' - TD
Int. GR-Sonic	1,000' - TD
Comp. Neutron Log	Selected intervals
Density Neutron Log	Selected intervals
Dipmeter	Selected intervals

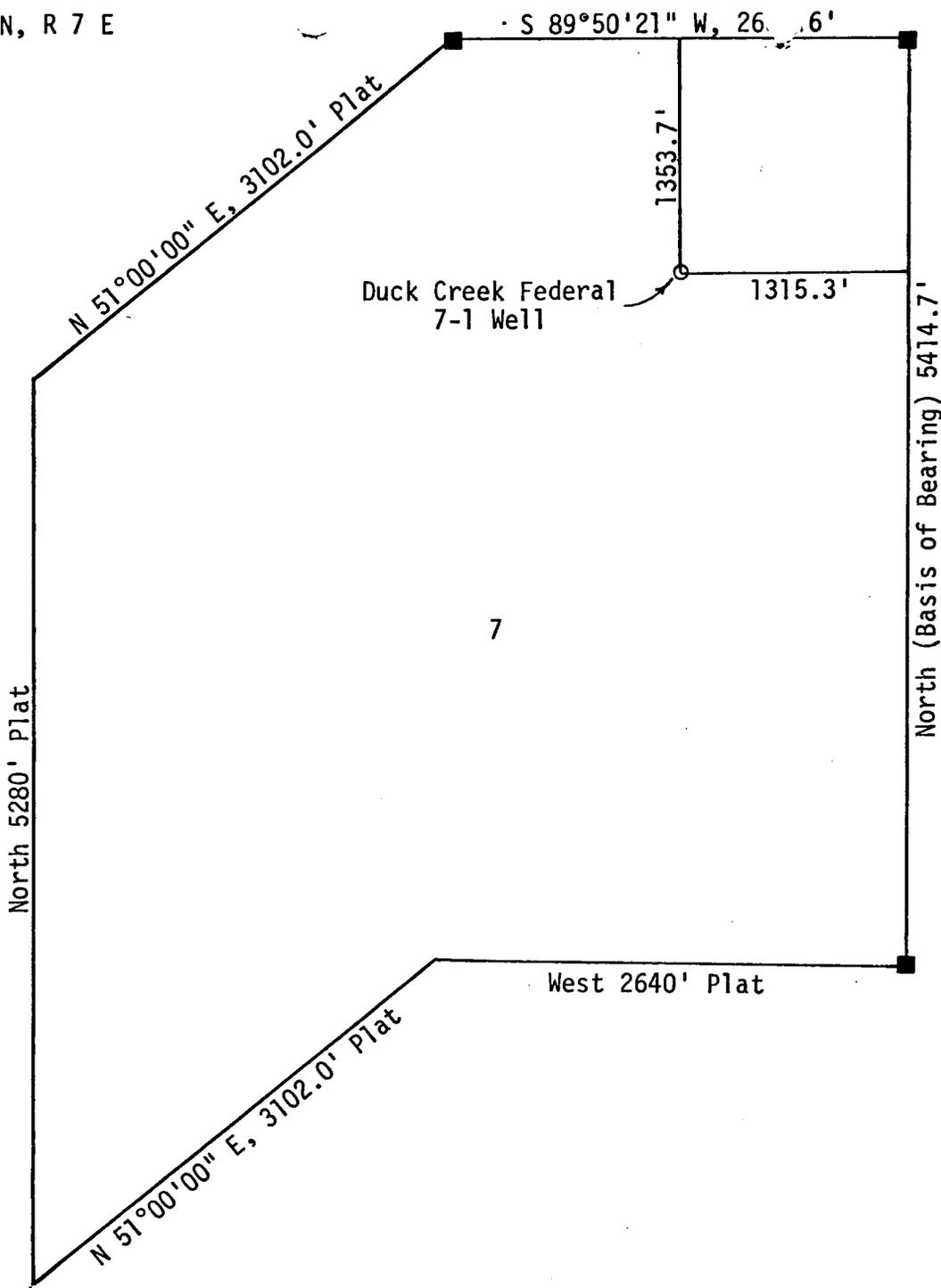
If well is deemed productive, a 7" casing string will be set and cemented and the well completed through perforations.

At present, it is not planned to frac or acidize any of the formations. If such operations are decided upon, then a Sundry Notice to supplement this 10-point plan will be submitted to the U.S.G.S. No fracturing or acidizing operations will commence until approval is received from the U.S.G.S.

9. H₂S gas may be encountered in the Dinwoody and/or Phosphoria formations. Prior to drilling into the Dinwoody formation, an H₂S scavenger will be added to the mud in sufficient quantities to handle any H₂S gas encountered. Also, the mud logger will be equipped with an H₂S detector and air packs will be located at numerous points on the drilling location.
- No abnormal pressures, temperatures, water flows or extreme lost circulation are anticipated.
10. Anticipated starting date is July 1, 1978. Drilling operations should last approximately 100 days.



T 12 N, R 7 E



Duck Creek Federal
7-1 Well

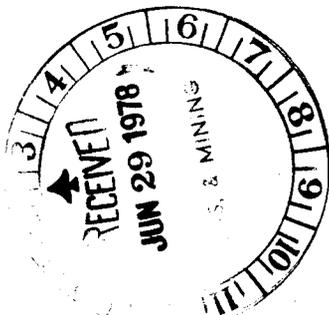
North (Basis of Bearing) 5414.7'

SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Brass Cap
- ⊙ Found Stone - Set Brass Cap
- Hub and Tack

I, JOHN A. PROFFIT of Evanston, Wyoming certify that in accordance with a request from KARY KALTENBACHER for AMERICAN QUASAR PETROLEUM COMPANY, I made a survey on the 3rd & 4th day of May, 19 78 for Location and Elevation of the DUCK CREEK FEDERAL 7-1 WELL as shown on the above map, the wellsite is in the NE $\frac{1}{4}$ of Section 7, Township 12 N, Range 7 E of the SALT LAKE BASE & MERIDIAN, RICH County, State of UTAH, Elevation is 6824.2 Feet TOP OF HUB Datum U.S.G.S. Quadrangle - Sage Creek, Utah SE Corner Section 7 Elevation 6747'

Reference point	200' North	5/8" Steel Bar	Elev. top of bar	6818.7'
Reference point	200' East	"	"	6823.7'
Reference point	200' South	"	"	6826.2'
Reference point	200' West	"	"	6824.9'



John A. Proffit 5/8/78
 JOHN A. PROFFIT UTAH R.L.S. NO. 2860

DATE: 5-8-78
 JOB NO.: 78-14-9

UINTA ENGINEERING & SURVEYING, INC.
 808 MAIN STREET, EVANSTON, WYOMING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: June 30

Operator: American Gas

Well No: Duck Creek Fed. 7-1

Location: Sec. 7 T. 24 R. 7E County: Rich

File Prepared:
Card Indexed:

Entered on N.I.D.:
Completion Sheet:

API NUMBER: 43-033-30016

CHECKED BY:

Administrative Assistant [Signature]

Remarks: No other wells in township

Petroleum Engineer _____

Remarks:

Director [Signature]

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: [Signature]

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:

Irregular Section

Letter Written/Approved

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

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 American Quasar Petroleum Co. of New Mexico

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1353.7' FNL & 1315.3' FEL
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 8 miles southeast of Laketown, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1315.3'

16. NO. OF ACRES IN LEASE 1974.97

17. NO. OF ACRES ASSIGNED TO THIS WELL

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19. PROPOSED DEPTH 10,000'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6824' GR

22. APPROX. DATE WORK WILL START*
 7/1/78

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 U-25462

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Duck Creek Federal

9. WELL NO.
 7-1

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 7-12N-7E

12. COUNTY OR PARISH 13. STATE
 Rich Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

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8-3/4"	7"	23#	10,000'	600 sx

We plan to test all zones through the Nugget formation which exhibit evidence of hydrocarbons and effective porosity. If the well is productive, a 7" production string will be run and cemented and the well completed through perforations.

The 9-5/8" intermediate string may not be run if severe hole problems are not encountered.

(See attached 10-point plan for additional information.)

NOTICE OF APPROVAL

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 Kary J. Kaltenbacher TITLE Division Drlg. Engr. DATE 5/11/78
Kary J. Kaltenbacher
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY E. W. Seymour TITLE DISTRICT ENGINEER DATE AUG 04 1978
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY

STATE 06XM

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-25462

OPERATOR: American Overseas Petroleum Co. of New Mexico WELL NO. 7-1

LOCATION: 1/2 E 1/2 NE 1/4 sec, 7, T. 12N., R. 7E., SLM
Rich County, Utah

1, Operator predicted stratigraphy and predicted hydrocarbon zones are adequate? Yes.
If not, USGS predictions are:

2, Fresh water aquifers probable below surface casing? Yes. In Knight Conglomerate and equivalent rocks, from 60-500' below KB.

3, Other probable leasable minerals? Yes. Phosphate in the Phosphoria, ~ 7,600 - 8,000' below KB.

4, Are hazardous fluids or gases likely? Yes. H₂S gas quite likely in Dinwoody - Phosphoria rocks - operator fully aware of this.

5, Are abnormal conditions of pressure or temperature likely? No.

6, Will any strata penetrated need special mud, casing, or cementing beyond that proposed in the APD? Unpredictable.

7, Is additional logging or sampling needed? No.

8, References - remarks: USGS Files, Salt Lake City, Utah

Is location within 2 miles of a KGS? No.



Signature: Donald C. Alvord

Date: 07 - 14 - 78

SUPPLEMENTAL STIPULATIONS

American Quasar Petroleum Co.
Well Duck Creek No. 7-1
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-T12N-R7E SLB & M
Rich County, Utah
Lease U-25462

1. Lessees of record title must execute our standard stipulation letter which requires no segregation of the NE $\frac{1}{4}$ of Section 7, T 12 N, R 7 E, SLB & M, Rich County, Utah until such time that well Duck Creek No. 7-1 on lease U-25462 is plugged and abandoned with the approval of the Supervisor.
2. The operator shall comply with the proposed provisions of NTL-10 (copy attached) and any additional H₂S requirements of the State of Utah Division of Oil, Gas and Mining.
3. In the event this well proves to be productive, the lessee/operator must submit a detailed lease development plan prior to drilling any additional wells on the lease. This plan should address location of well sites, pipelines, surface facilities, access roads, etc. The USGS District Engineer would be required to prepare an additional environmental analysis covering these actions.

United States Department of Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

UNUSUAL ENVIRONMENTAL ANALYSIS NO. 1150

Application for Permit to Drill

American Quasar Petroleum Company, Operator

Well No. Duck Creek 7-1, Wildcat
NE/4, Sec. 7, T. 12 N., R. 7 E.,
SLB & M, Rich County, Utah

Federal Lease U-25462

Prepared by: Eileen M. Pera, Geologist, Salt Lake City, Utah
Allen A. Aigen, Geologist, Salt Lake City, Utah

Date: July 21, 1978

Reviewed by: John T. Evans, Environmental Scientist, Salt Lake City,
Utah

Date: July 28, 1978

Related Environmental Analysis:

1. Unusual EA No. 1057
2. BLM Unit Resource Analyses, Randolph Unit, Salt Lake City District, Salt Lake City, Utah

ADDENDUM

Unusual Environmental Analysis No. 1150

Application for Permit to Drill

American Quasar Petroleum Company, Operator

Well No. Duck Creek 7-1, Wildcat
NE/4, Sec. 7, T. 12 N., R. 7 E.,
SLB & M, Rich County, Utah

Federal Lease U-25462

Proposed Action:

On April 15, 1978, American Quasar Petroleum Company filed an Application for Permit to Drill the No. 7-1 exploratory well, a 10,000 foot oil and gas test of the Triassic Nugget, Thaynes and Dinwoody Formations, the Permian, Phosphoria and Pennsylvanian well formation and undetermined Mississippian formations; It is located at 1,354 ft FNL and 1,315 ft FEL, Sec. 7, T. 12 N., R. 7 E., SLB & M, Rich County, Utah, and at an elevation of 6,824 ft on the Knight Conglomerate on Federal mineral lands and Federal surface; Lease No U-25462. There was no objection raised to the wellsite nor to the access road.



The following participated in a joint inspection of the proposed wellsite and access road on June 29, 1978.

<u>Name</u>	<u>Representing</u>	<u>Title</u>	<u>Stationed</u>
Kary Kaltenbacher	American Quasar	Drilling Engineer	Casper, Wyoming
Ken Frye	BLM	Geologist	
Clair Quilter	BLM	Environmental Scientist	Salt Lake City, UT
Dan Washington	BLM	Environmental Scientist	Salt Lake City, UT
Robert Mitchell	BLM	Environmental Scientist	Salt Lake City, UT
Eileen Pera	USGS	Geologist	
Allen Aigen	USGS	Geologist	

Proposed Action:

On April 15, 1978, American Quasar Petroleum Company filed an Application for Permit to Drill the No. 7-1 exploratory well, a 10,000 foot oil and gas test of the Triassic Nugget, Thaynes and Dinwoody Formations, the Permian Phosphoria and Pennsylvanian wells formations and undetermined Mississippian formations; It is located at an elevation of 6824 feet on the Knight Conglomerate on Federal mineral lands and Federal surface; Lease No. U-25462. There was no objection raised to the wellsite nor to the access road.

*at 1354 ft. F11C and D-
1315 ft. F&L, Section
7, T12N, R27E, S10W
Rich County, Utah*

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are included in an appendix. The hydrogen sulfide contingency plan is included in an appendix. The drilling operation would begin upon approval of the A.P.D. and would be expected to last 100 days to reach total depth and complete the well for production if hydrocarbons are discovered.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements. Written concurrence of the surface managing agency is attached.

The Utah Department of Natural Resources, Division of Oil, Gas and Mining has reviewed the proposal.

Location and Natural Setting

The proposed drillsite is approximately 8 miles southeast of Laketown, Utah, on an unimproved dirt road, approximately 3 miles off State Highway 30. Improvements to the dirt road are planned with the cooperation of the County Road Commission. The well pad is so close to the road that the access and escape routes are very short (see map in appendix).

The site is a wildcat. The nearest production is American Quasar's Hogback Ridge 20-1, section 21 (bottom hole) T.13N., R.7E., approximately four miles northeast. This well completed for 22, 421 MCFGPD in the Triassic Dinwoody Formation and for 9, 967 MCFGPD of sour gas in the Permian Phosphoria.

American Quasar expects (from seismic evidence) similar conditions in this drill hole. The expected stratigraphy is given in the NTL-6 10 Point Subsurface plan (in appendix). The poor quality seismic data available (due to a thick conglomerate covering complex Folding and Faulting) makes the estimates given very hypothetical. Pressures in the Hogback Ridge and other wells in the area were normal. Lost circulation problems were of a controllable extent.

Hydrogen sulfide gas, expectable in the Phosphoria, is the only important geological hazard. Details of the safety program are given in the appendix.

Seismic risk is moderately high. There is a possibility of instability of the surface during a quake if lenses of silt or mud are present below the site, but these are uncommon.

Gravel pits are maintained for road metal locally. There is no other nearby valuable mineral or commodity.

The site is on a very gently sloping open ridge. The soil is a xerothic calciorthid silt loam, with about a 1/2 inch A layer, approximately 12 inches of B, and approximately 50 inches of C, grading into the underlying Tertiary Knight Conglomerate (also known as Wasatch Formation). Permeability is moderately slow; surface runoff and erodability of exposed soil is very high. (See appendix for complete soil description from Utah Soil Conservation Service.)

The climate is semi-arid with abundant sunshine, hot summers and cold winters, average temperature about 42°F. Precipitation, averaging approximately 9-12 inches per year, is in the form of snow and summer cloud bursts. The wind is from the west and southwest and is generally present.

Air quality data is not available for the region. Wind blown dust and vehicular exhausts are the only major source of pollution. The area has little noise at present.

The site is on a ridge between Six Mile Creek and Duck Creek, both intermittent drainages near the site, fed by springs in the surface formation.

There are no other expected fresh water aquifers below the site. Water will be trucked to the location.

Vegetative

Cover is sparse, dominately Big Sage, with phlox, yellowbrush, western wheatgrass, bluegrass, blue bunch wheatgrass and squirreltail.

The animals present include mule deer, rabbits, coyote, bobcat, numerous rodents, sagegrouse, songbirds and raptors (hawkes and eagles).

Other than the occasional presence of Bald Eagles, there are no known endangered or threatened plants or animals on the site.

The inspecting archaeologist, Claire Quilter, BLM, Salt Lake City, found no sites that would conflict with the proposed operation. There are no known historical, cultural, or archaeological sites in the area.

There are no national, state or local parks, wildlife refuges or ranges, grasslands, forests, monuments, trails, or other formally designated recreational facilities within two miles of the proposed location.

The area is presently used for grazing sheep. There are no permanent habitations nor scenic or aesthetic sites nearby.

The Randolph Unit Resource Analyses compiled by the Salt Lake District Bureau of Land Management includes additional information on the environmental impact of oil and gas operations in this area, and is incorporated herein by reference.

Effects On The Environment By The Proposed Action

The wellpad would disturb approximately 2.4 acres. The access road would disturb approximately 0.04 acres. The existing dirt road and the new access road is to be upgraded with crowned running surfaces and bar ditches. An estimated 4 foot cut and 2 foot fill would be necessary to level the

pad area. The vegetation would be removed and minor relocation of wildlife in the immediate area, particularly small rodents, would be anticipated. If the test well results in a discovery of an oil or gas reservoir, additional facilities would be needed requiring no additional surface. Construction of flowlines would disturb long, narrow strips of the surface for a short period of time.

The mud and reserve pits would contain all fluids used during the drilling operations. The potential for fluid spills, gas leaks and related accidents would be present. Should a spill occur, prompt action should prevent any permanent erosive damages. Should a gas leak occur, the effect on the atmosphere would be extremely short-lived. If the well should be productive, precautions would be taken against such accidents.

Possible release of toxic or noxious gas that could result in loss of life or serious injury is a possible hazard. Adequate procedures should be taken for the containment of toxic hydrogen sulfide and the protection of personnel and the area (see Ten Point Plan and APD Additional Information in appendix.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. There would be no tangible effect on water migration in fresh water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Waterways would not be affected as none exist in the surrounding area.

Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. Further information, see the APD-Additional Information in the appendix.

The animals and vegetation of the area would be disturbed for the life of the project. If the project was to produce hydrocarbons, adjustments in habitat occupancy would be expected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

The site is not visible from any major roads.

Should the wellsite be abandoned, surface rehabilitation would be done according to the BLM's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment. The anticipated traffic would have a minimal impact

on ranch traffic and vehicular safety problems. Aside from recreational activities such as hunting, the only other human conflicts that would arise in normal useage of the area would be the oil and gas operations. These would be minor, with planned precautions to limit such conflict.

The economic and environmental impact of a single well is nromally somewhat negligible. But should this well discover a significant new hydrocarbon source, local, state and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts. The proposed action will have a positive impact on the local economy.

Alternatives to the Proposed Action

(1) Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and sub-surface would be prevented as much as possible under USGS and BLM supervision with rehabilitation planning reversing almost all effects.

Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected.

Controversial Issues

A Notice of Appeal, issued December 2, 1977, by the Sierra Club against Ed Guynn, U.S. Geological Survey, and others, seeks to prevent any further oil and gas activity on National Forest land in the overthrust belt. Although this well is in the overthrust belt, it is not in or near a National Forest and so is not affected by the appeal.

The possibility of hydrogen sulfide gas, while uncommon in Utah, is well understood and has been planned for, with an approved contingency plan (in appendix).

Adverse Environmental Effects Which Cannot Be Avoided

Surface scars resulting from construction work, wellpad and the access road would be visible for the life of the project and for a period of time after abandonment while rehabilitation is completed. The disturbed areas would not be available for grazing and farming purposes during the project's life time. Minor relocation of wildlife, notably small rodents, in the immediate area would be anticipated. Any improvement of existing roads would be a semi-permanent effect as ranch traffic would continue to utilize the access road. Some erosion would be anticipated with the removal of vegetative cover. Dust levels and exhaust pollutants would increase somewhat during the construction and drilling phases of the operation. Traffic hazards with ranch vehicles though few, would be present. Noise levels would increase during construction and drilling and would remain somewhat increased if the well was completed and a pumping unit installed. The potential for fluid spills, gas leaks and related accidents would be present. If hydrocarbons are discovered and produced, further oil and gas development of the area would be expected to occur which would result in the extraction of an irreplaceable resource, and further negative environmental impacts.

Public comments were not solicited or received.

Determination

In my opinion, the proposed action does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102(2)(c), and the environmental impacts of the proposed action are not likely to be highly controversial.

District Engineer

Date

I Concur _____

Area Supervisor

Date

I determine that preparation of an Environmental Impact Statement is not required.

Conservation Manager

Date

H₂S Appendix

The plan submitted by the Operator for H₂S is inadequate. Nothing in the proposed plan contradicts the safety requirements outlined in proposed NTL-10 (copy attached) but there are many points not addressed in the Operator's plan (#9 in 10 Point Plan, copy included).

A copy of proposed NTL-10 will be sent to the Operator as supplementary stipulations for approval of the plan.

The site is located approximately 3-1/2 miles from the nearest permanent habitation and 1-1/2 miles from a major road, and the prevailing winds do not blow toward them. Tourists at the site should not be a problem as the site is not visible from a major road and the road that it is on receives little traffic. The proposed layout is basically safe, with an upwind escape route and downwind mud pits. The blow-out prevention and mud programs have been judged adequate by the District Engineer, Salt Lake City.

American Quasar is experienced with safely producing from wells with sour gas (such as in their nearby Hogback Ridge Field). The safety equipment, contingency plans and safety training programs stipulated are basically known to them and should present no problem.

To: Edgar W. Gayton, District Engineer, Salt Lake City, UT.



United States Department of the Interior

GEOLOGICAL SURVEY
Box 25046
Denver Federal Center
Denver, Colorado 80225

IN REPLY REFER TO

August 3, 1978

Memorandum

To: District Engineer, Salt Lake City

Through: Area Oil and Gas Supervisor, NRMA

From: Conservation Manager, Central Region

Subject: Unusual EA and APD, American Quasar Petroleum Company,
Well No. Duck Creek 7-1, Wildcat; NE/4 Sec. 7, T. 12 N.,
R. 7 E., S1M; Rich County, Utah, Federal Lease U-25462

This office has reviewed the subject EA and APD and we concur in the opinion of the District Engineer, Salt Lake City and Area Oil and Gas Supervisor, NRMA. We determine that this proposed action does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102(2)(C). We feel an environmental impact statement is not required.

You are authorized to take whatever steps are necessary to approve this requested action provided the following stipulations are included as conditions of approval:

1. The operator must comply with the proposed provisions of NTL-10 and any additional H₂S requirements of the State of Utah Division of Oil, Gas, and Mining.
2. In the event this well proves to be productive, the lessee/operator must submit a detailed lease development plan prior to drilling any additional wells on the lease. This plan should address location of well sites, pipelines, surface facilities, access roads, etc. The District Engineer (USGS) would be required to prepare an additional environmental analysis covering these actions.

George H. Horn
George H. Horn

cc: Acting Chief, Conservation Division,
w/unusual EA



*sent 8/3/78
D.30*

Send my congratulations
on #25

Allen Higgen
8422 7th St
USGS
SEC 84138

Hydrogen Fuelcell

July 3, 1978

American Quasar Petroleum Company
204 Superior Building
Casper, Wyoming 82601

Re: Well No. Duck Creek Federal #1
Sec. 7, T. 12 N, R. 7 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.

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 43-033-30016.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 9-329 Rev. Feb 76
OMB 42-RO356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-25102 - Duck Creek Federal

Communitization Agreement No. _____
Field Name Wildcat
Unit Name _____
Participating Area _____
County Rich State Utah
Operator American Quasar Petroleum Co.

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of August, 19 78

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
7-1	7-NE 1/4	12N	7E	RURT					

*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: John F. Sindelar
Title: Division Dir. Supt.

Address: 204 Superior Bldg. Casper, Wyo. 82601

cc to: State of Utah, Div. of Oil, Gas & Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 9-329 Rev. Feb 76
OMB 42-RO356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-25462 - Duck Creek Federal

Communitization Agreement No. _____
Field Name Wildcat
Unit Name _____
Participating Area _____
County Rich State Utah
Operator American Quasar Petroleum Co.

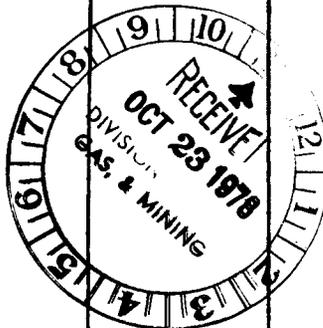
Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 78

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
7-1	7-NE 1/4	12N	7E	Drlg. @ 3543'					



*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: John F. Sindelar
Title: Division Drlg. Supt.

Address: 204 Superior Bldg. Casper, Wyo. 82601

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No. U-25462 - Duck Creek Federal

Form 9-329 Rev. Feb 76
OMB 42-RO356

Communitization Agreement No. _____
Field Name Wildcat
Unit Name _____
Participating Area _____
County Rich State Utah
Operator American Quasar Petroleum Co.

MONTHLY REPORT
OF
OPERATIONS

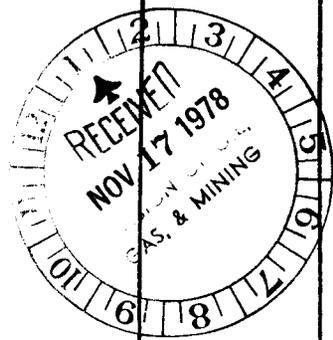
Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 78

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
7-1	7-NE 1/4	12N	7E	Drng. @ 6718'					



*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature]
John F. Sindelar
Title: Division Drng. Supt.

Address: 204 Superior Bldg. Casper, Wyo. 82601

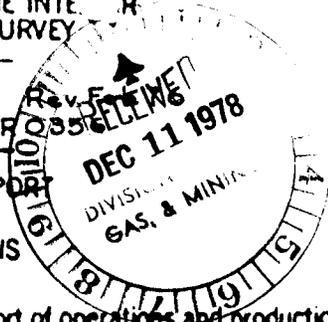
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No. U-25462 - Duck Creek Federal

Form 8-329

OMB 42-7055

MONTHLY REPORT
OF
OPERATIONS



Communitization Agreement No. _____

Field Name Wildcat

Unit Name _____

Participating Area _____

County Rich State Utah

Operator American Quasar Petroleum Co.

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of November, 19 78

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
7-1	7-NE 1/4	12N	7E	TD 8289' - waiting on Schlumberger to run veloc. surveys.					

*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

Oil & Condensate (BBLs)

Gas (MCF)

Water (BBLs)

- *On hand, Start of Month
- *Produced
- *Sold
- *Spilled or Lost
- *Flared or Vented
- *Used on Lease
- *Injected
- *Surface Pits
- *Other (Identify)
- *On hand, End of Month
- *API Gravity/BTU Content

_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
_____	_____	_____
_____	_____	XXXXXXXXXXXXXXXXXXXX
_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
_____	_____	XXXXXXXXXXXXXXXXXXXX
_____	XXXXXXXXXXXXXXXXXXXX	_____
_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: John F. Sindelar

Title: Division Dirg. Supt.

Address: 204 Superior Bldg. Casper, Wyo. 82601

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN T... ICATE...
(Other Instru... OR Te...
verse side)

Form approved,
Budget Bureau No. 42-R1421.
5. LEASE DESIGNATION AND SERIAL NO.

U-25462

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Duck Creek Federal

9. WELL NO.
7-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7-12N-7E

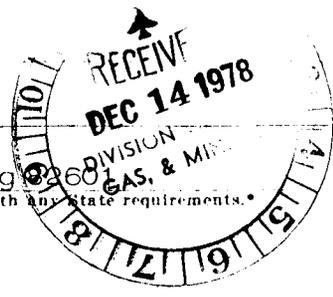
12. COUNTY OR PARISH 13. STATE
Rich Utah

1. OIL WELL GAS WELL OTHER Dry

2. NAME OF OPERATOR
American Quasar Petroleum Co.

3. ADDRESS OF OPERATOR
204 Superior Bldg., Casper, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements.
See also space 17 below.)
At surface 1353.7' FNL & 1315.3' FEL



14. PERMIT NO.

15. ELEVATIONS (Show whether DF, WT, GR, etc.)
6824' GR

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

FULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

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.)*

Per verbal approval on December 10, 1978 from Edgar Gynn, District Engineer, Salt Lake City, Utah, plugs will be set as follows:

- 6850-7000' - 75 sx Class G
- 4100-4250' - 182 sx Class G
- 3100-3250' - 100 sx Class G
- 2300-2400' - 110 sx Class G
- 950-1050' - 100 sx Class G (half in & half out of surf. pipe)
- Surface - 20 sx Class G

Rathole and mousehole will be plugged as per agreement.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: Dec. 12, 1978

BY: Ph. Smeal

(See reverse side)

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

SIGNED John F. Sindelar

TITLE Division Drlg. Supt.

DATE 12/11/78

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

U-25462

6. IF INDIAN, ALLOTTEE OR TRIBE (NAME)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Duck Creek Federal

9. WELL NO.

7-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

7-12N-7E

12. COUNTY OR PARISH
Rich

13. STATE
Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
American Quasar Petroleum Co.

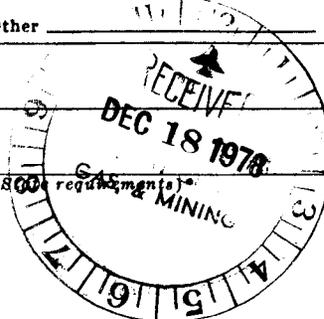
3. ADDRESS OF OPERATOR
204 Superior Bldg., Casper, Wyo. 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1353.7' FNL & 1315.3' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED



15. DATE SPUDDED 9/5/78 16. DATE T.D. REACHED 12/9/78 17. DATE COMPL. (Ready to prod.) P&A 12/11/78 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6824' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8476' 21. PLUG, BACK T.D., MD & TVD --- 22. IF MULTIPLE COMPL., HOW MANY* --- 23. INTERVALS DRILLED BY --- 24. ROTARY TOOLS 0-TD 25. CABLE TOOLS ---

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

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL, CNFD, Dipmeter, Sonic-GR w/Caliper 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	1014'	17 1/2"	1050 sx	---

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in) P&A 12/11/78					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS

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

SIGNED John F. Sindelar TITLE Division Drlg. Supt. DATE 12/13/78

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

INSTRUCTIONS

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

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

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

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

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

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

37. SUMMARY OF POROUS ZONES:
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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
No			DST's were run on this well.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Wasatch	Surface	
Twin Creek	827	
Boundary Ridge	2400	
Rich	2720	
Slide Rock	3218	
Gyp Springs	3582	
Nugget	4250	
Ankareh	5451	
Nugget	7005	
T.D.	8476	



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

January 2, 1979

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 82601

Re: Well No. Duck Creek Federal 7-1
Sec. 7, T. 12N, R. 7E,
Rich County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office ~~12-13-78~~ from above referred to well(s) indicates the following electric logs were run: **DLL, CNFD, Dipmeter, Sonic-GR w/Caliper**

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

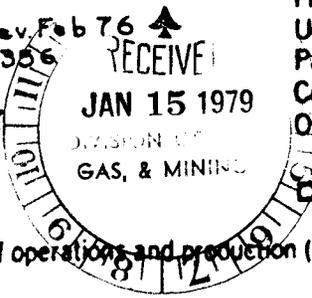
Kathy Ostler
KATHY OSTLER
RECORDS CLERK

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No. U-25462 - Duck Creek Federal

Form 9-329 Rev. Feb 76
OMB 42-RO356

MONTHLY REPORT
OF
OPERATIONS



Communitization Agreement No. _____
Field Name Wildcat
Unit Name _____
Participating Area _____
County Rich State Utah
Operator American Quasar Petroleum Co.

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of December, 19 78

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
7-1	7-NE 1/4	12N	7E	P&A on 12/11/78. (TD 8476')					

*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: John F. Sindelar
Title: Division Dir. Supt.

Address: 204 Superior Bldg. Casper, Wyo. 82601