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O&G FORM 4

OIL AND GAS
DEPARTMENTDIVISION
5

REV. 7-64

OF THE STATE OF COLORADO

File in duplicate for Patented and Federal lands.
File in triplicate for State lands.

COLORADO OIL & GAS COMMISSION

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <u>Drilling</u>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR American Quasar Petroleum Co.		8. FARM OR LEASE NAME Benton	
3. ADDRESS OF OPERATOR 204 Superior Bldg., Casper, Wyoming 82601		9. WELL NO. 13-31	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 3600' FWL & 400' FNL (NW $\frac{1}{4}$ NE $\frac{1}{4}$) At proposed prod. zone Same		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. 79-580		15. ELEVATIONS (Show whether DP, BT, CR, etc.) 9540' GR	
		12. COUNTY Eagle	
		13. STATE Colorado	

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐FULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT ☐(Other) ☒ Monthly Report of Operations

(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.)

Date of work _____

This is a Monthly Report of Operations for period 12/1-31/79
(see attached chronological report).

DVR	
FAP	
HMM	
JAM	<input checked="" type="checkbox"/>
JJD	<input checked="" type="checkbox"/>
RLS	
CGM	

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

SIGNED

John F. Sindelar

(This space for Federal or State office use)

TITLE

Division Dirg. Supt.

DATE 1/11/80

DIRECTOR
O & G CONS. COMM.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE JAN 14 1980

file



BENTON #13-31 12/1/79 122 days-TD 10,789'. Fin. POH w/
(11,000'Leadville-WC) bit #37. Dull grade: 6-8- $\frac{1}{2}$. TIH w/bit #38
Eagle Co., Colo. (6 $\frac{1}{2}$ " Hughes J-4, s/n HJ087). Encountered
Castle Peak Prosp. tight hole at 9890'. POH, picked up btm hole
6 pt reamer. Now TIH.
12/2/79 123 days-TD 10,789'. Reaming at
9900'. Fin. TIH w/ bit #38. Started reaming at 9890'. Plugged
bit. POH, unplugged bit, TIH. Now reaming at 9900'.
12/3/79 124 days-TD 10,789'. Rmg. at 10,310'.
Reamed 410' in 11 hrs. MW 8.4; vis 48; WL 30; pH 10. Rmg.wt.
2-5,000#; RPM 70.

BENTON #13-31 12/4/79 125 days - POH w/plugged bit @ 10,789'.
(11,000'Leadville-WC) MW 8.4; visc 51; WL 30.0; pH 10.2. Rmd 10,310-10,789'.
Eagle Co., Colo. Circ. Started short trip. Encountered tite hole @ 10,645'.
Castle Peak Prosp. PU kelly. Broke circ. Pulled 10 stands--no problems.
TIH. Began taking wt @ 10,700'. PU kelly. Found bit
plugged. Now POH.

BENTON #13-31 12/5/79 126 days - TD 10,789'. Rmg. to btm.
(11,000'Leadville-WC) MW 8.5; visc 39; WL 28.0; pH 9.5. Fin. POH w/bit #38
Eagle Co., Colo. (no footage). Unplugged BHA. Ran bit #39 (6 $\frac{1}{2}$ " Hughes
Castle Peak Prosp. J33 - SN KJ147) @ 10,789'. Rmd. 744' in 14 hrs.
Pumped 10 bbl visc pills @ each connection. Now prep
to drill ahead.

BENTON #13-31 12/6/79 127 days - TD 10,910'. Drld. 121' in 14 hrs.
(11,000'Leadville-WC) Short-tripping. MW 8.4; visc 45-65; WL 30.0; pH 9.5.
Eagle Co., Colo. Bit #39 has drld. 121' in 14 hrs. Drld. to 10,910'.
Castle Peak Prosp. Circ. & cond for DST #2. Short-tripped. Tight 4 jts
off btm. PU kelly. Immed. came free. Ret. to btm.
Circ. & cond. Now beginning 2nd short trip.

BENTON #13-31 12/7/79 128 days-TD 10,910'. Reaming to btm.
(11,000'Leadville-WC) at 10,575'. MW 8.4; vis 50; WL 23; pH 10.
Eagle Co., Colo. Began short trip, had tight spot at 10,337',
Castle Peak Prosp. stopned & cond. mud, TOH. Dull grade on bit
#39: 6-3- $\frac{1}{2}$. Ran bit #40. Now reaming to btm.
at 10,575'.

BENTON #13-31

(11,000' Leadville-WC)

Eagle Co., Colo.

Castle Peak Prosp.

12/10/79 130 days - Circ. & cond. hole at 10,995'.
4 hrs.
10,995'. POH w/bit #40. Bit had drld. 85' in
14 hrs. Dull grade: 8-8-3/4. Cleaned pits,
repaired shakers, TIH w/bit #41 (6 1/2" Smith F-5, s/n AJ5811). Bit
became plugged at 10,695'. Now POH w/bit.
12/10/79 130 days - Drlg. at 11,015'. Drld. 20'
in 3-3/4 hrs. MW 8.7; vis 47; WL 10.2; pH 9. Unplugged bit #41 &
TIH at 10,995'. Drlg. wt. 22,000#; RPM 51.

ays-Circ. & cond. hole at 10,995'.

4 hrs.

ays-POH for plugged bit at

10,995'. POH w/bit #40. Bit had drld. 85' in
14 hrs. Dull grade: 8-8-3/4. Cleaned pits,
repaired shakers, TIH w/bit #41 (6 1/2" Smith F-5, s/n AJ5811). Bit
became plugged at 10,695'. Now POH w/bit.

12/10/79 130 days - Drlg. at 11,015'. Drld. 20'
in 3-3/4 hrs. MW 8.7; vis 47; WL 10.2; pH 9. Unplugged bit #41 &
TIH at 10,995'. Drlg. wt. 22,000#; RPM 51.

BENTON #13-31

(11,000' Leadville-WC)

Eagle Co., Colo.

Castle Peak Prosp.

12/11/79

131 days - Circ. for trip @ 11,126'. Drld. 111'

(11,000' Leadville-WC) of sd & sh in 24 hrs. MW 8.4; visc 56; WL 9.6; pH 8.5.

Bit #41 has drld. 131' in 28 hrs. Drlg. wt 24,000#;

RPM 50.

BENTON #13-31

(11,000' Leadville-WC)

Eagle Co., Colo.

Castle Peak Prosp.

12/12/79

132 days - TIH w/bit #42 @ 11,126'.

(11,000' Leadville-WC) MW 8.5; visc 48; WL 9.6; pH 9.0. Fulled bit #41 @ 11,126'.

Bit drld. 131' in 28 hrs. Dull grade 8-1-1/16". Magnafluxed

DC's. Now running bit #42 (6 1/2" Smith F5 - SN AJ5619)

@ 11,126'.

BENTON #13-31

(11,000' Leadville-WC)

Eagle Co., Colo.

Castle Peak Prosp.

12/13/79

133 days - Drlg. in sd & sh @ 11,169'.

(11,000' Leadville-WC) Drld. 43' in 5 1/4 hrs. MW 8.5; visc 43; WL 11.0; pH 9.0.

TIH to base of csg. w/bit #42. Shut down for rig repairs

9 1/2 hrs. Fin. TIH to 11,126'. Bit has drld. 43' in 5 1/4 hrs.

Drlg. wt 22,000#; RPM 51.

BENTON #13-31

(11,000' Leadville-WC)

Eagle Co., Colo.

Castle Peak Prosp.

12/14/79

134 days - TD 11,215'. Drld. 46' of ss in 9 1/2 hrs.

(11,000' Leadville-WC) Working stuck pipe. MW 8.5; visc 49; WL 8.0; pH 10.0.

Bit #42 has drld. 89' in 14 1/4 hrs. Bit began torqueing while

drlg. @ 11,215'. Began TOH. Became stuck w/bit @ 11,146'.

Now circ., working stuck pipe.

BENTON #13-31

(11,000' Leadville-WC)

Eagle Co., Colo.

Castle Peak Prosp.

12/15/79

135 days - TD 11,215'. TIH w/bit.

(11,000' Leadville-WC) Freed stuck pipe. POH. Dull grade of bit

#42: 8-8-1/2. Running bit #43 (6 1/2" Hughes J-88,

s/n DA367).

12/16/79

136 days - TD 11,215'. Reaming 60'

off btm. Reamed & conditioned hole 20 1/2 hrs.

12/17/79

137 days - TD 11,250'. Drld. 35' in

7 hrs. Started POH w/bit. Now repairing rotary clutch.

BENTON #13-31

(11,000' Leadville-WC)

Eagle Co., Colo.

Castle Peak Prosp.

12/18/79

138 days - TD 11,250'. Rmg. out-of-gauge

(11,000' Leadville-WC) hole @ 11,214'. MW 8.6; visc 55; WL 10.0; pH 9.0.

Pulled bit #43 @ 11,250'. Bit drld. 35' in 7 hrs.

Lost 3 cones--out of gauge 1 1/2". PU 6-pt rmr dressed

w/knobby cutters & 2 - 3-pts. Ran bit #44 (6 1/2" Hughes

J99 - SN WW733). Now rmg. out-of-gauge hole @ 11,214'.

BENTON #13-31 12/19/79 141 days - TD 11,250'.
(11,000' Leadville-WC) 8.6; visc 54; WL 8.0; pH 9.5.
Eagle Co., Colo. Fin. 1 1/2" out-of-gauge hole to 11,250'. Circ. & cond.
Castle Peak Prosp. POH w/bit #44 @ 11,250'. Dull grade 4-6-1/16".
Now TIH w/Acme 5-7/16" magnet @ 11,250'.

BENTON #13-31 12/20/79 141 days - TD 11,250'. RU Schlumberger.
(11,000' Leadville-WC) MW 8.5; visc 56; WL 8.0; pH 9.0. Fin. TIH w/magnet.
Eagle Co., Colo. Circ. & cond. btms up. Made 3 - 15-stand short trips.
Castle Peak Prosp. Spotted 70 bbl high visc mud on btm. POH. Rec. 1 cone
& numerous pieces of junk. Now RU Schlumberger.

BENTON #13-31 12/21/79 142 days - TD 11,250'. Working stuck Dipmeter.
(11,000' Leadville-WC) MW 8.5; visc 56; WL 8.0; pH 9.0. Ran logs as follows:
Eagle Co., Colo. DLL - 11,224-6599'; FDC-CNL w/Caliper - 11,241-6300';
Castle Peak Prosp. & BHC w/Int. Caliper - 11,241-6599'. TIH w/Dipmeter.
Logged 11,241-11,180'. Tool stuck @ 11,180'.
Now working stuck Dipmeter.

BENTON #13-31 12-22-79 143 days - TD 11,250'. POH.
(11,000' Leadville-WC) MW 8.5; visc 56; WL 8.0; pH 9.0. RU wireline
Eagle Co., Colo. fishing assy. TIH w/DP & overshot to 6882'. Pulled
Castle Peak Prosp. wireline & Dipmeter up thru overshot @ 6882'.
Rec. table & rope socket assy. Now POH w/DP
& overshot.

12/23 144 days - TD 11,250'. WO Schlumberger.
MW 8.5; visc 55; WL 7.0; pH 9.0. Fin. POH w/DP & overshot. Rec. Dipmeter.
Ran bit #45 (6-1/2" Hughes J40 - SN LA189) @ 11,250' to cond. hole--no problems.
Now WO Schlumberger.

12/24 145 days - TD 11,250'. TIH to cond. hole
for DST #2. MW 8.5; visc 55; WL 7.0; pH 9.0. RU Schlumberger. Ran Dipmeter
10,923-6590'; veloc. survey @ 10,171' w/16 shots. Reran bit #45 to circ. for
DST #2 - straddle test - 10,630-10,840'.

BENTON #13-31 12/25/79 146 days - TD 11,250'. PU test tools for DST #2.
(11,000' Leadville-WC) MW 8.5; visc 55; WL 7.0; pH 9.0. Pulled bit #RR45
Eagle Co., Colo. @ 11,250'. Now PU test tools.
Castle Peak Prosp. 12/26 147 days - TD 11,250'. TIH to clean out
pkr. rubbers. MW 8.5; visc 50; WL 8.4; pH 8.5.
TIH w/test tools for DST #2 - 10,625-10,835' (straddle test) in Minturn
w/3000' WC. Set pkrs. Opened tool. After 5 min., lost pkr seal. Attempted
3 times--lost seal completely. POH. LD test tools. PU cleanout assy.
Now TIH to clean out.



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BENTON #13-31 12/27/79 148 days - TD 11,250'. TIH w/DST #3.
(11,000' Leadville-WC) MW 8.5; visc 50; WL 8.4; pH 10.0. Fin. TIH to
Eagle Co., Colo. 10,130'. Drld. & rmd. pkrs. to btm. Circ. & cond. mud.
Castle Peak Prosp. POH. PU test tools. Now TIH for DST #3.

BENTON #13-31 12/28/79 149 days - TD 11,250'. Circ. & cond. hole.
(11,000' Leadville-WC) MW 8.5; visc 50; WL 8.4; pH 10.0. Fin. TIH w/DST #3 -
Eagle Co., Colo. straddle test - 10,650-10,845'. Opened tool. Pkr. slid
Castle Peak Prosp. 20' downhole. PU to reset pkrs. Tool slid 5' downhole.
Made 2 more attempts to reset pkrs--w/o success.
POH w/DST #3 misrun. LD test tools. Now TIH to circ. & cond. hole to
run 5" liner.

BENTON #13-31 12/29/79 150 days - TD 11,250'. Circ. & cond. hole.
(11,000' Leadville-WC) MW 8.5; visc 60; WL 12.0; pH 10.0. Rmd. 11,183-
Eagle Co., Colo. 11,250'. Short-tripped & re-reamed 10,940-11,250'.
Castle Peak Prosp. Now circ. & cond. for 5" liner.
12/30 151 days - TD 11,250'. WO 5" liner.
MW 8.5; visc 60; WL 12.0; pH 10.0. Circ. & cond. POH to ck loss in string wt.
Now repairing rig & WO 5" liner.
12/31 152 days - TD 11,250'. WO 5" liner.
MW 8.5; visc 63; WL 12.0; pH 9.5. Rec'd 3 loads 5" liner. Brakes froze on
final load. TIH to 6590' & circ. Now WO final load to reach loc.