

OIL AND GAS COMMISSION
DEPARTMENT
OF THE STATE OF COLORADO
00375189

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

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COLO. OIL & GAS CONS. COMM.

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 <u>Drilling</u>		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 3600' FWL & 400' FNL (NW $\frac{1}{4}$ NE $\frac{1}{4}$) At proposed prod. zone Same		8. FARM OR LEASE NAME Benton	
14. PERMIT NO. <u>79-580</u>		9. WELL NO. 13-31	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 9540' GR		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 13-3S-85W	
		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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
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"/>
(Other) <input checked="" type="checkbox"/> 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 8/1-31/79
(see attached chronological report).

DVR	<input checked="" type="checkbox"/>
FJP	<input checked="" type="checkbox"/>
HHM	<input checked="" type="checkbox"/>
JAM	<input checked="" type="checkbox"/>
JJD	<input checked="" type="checkbox"/>
RLS	<input type="checkbox"/>
CGM	<input type="checkbox"/>

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

SIGNED John F. Sindelar

TITLE Division Dirg. Supt.

DATE 9/6/79


(This space for Federal or State office use)

APPROVED BY W. Rogers
CONDITIONS OF APPROVAL, IF ANY:

TITLE DIRECTOR
O & G CONS. COMM.

DATE SEP 13 1979

file

BENTON #13-31 7/1  RT: Staked loc. in NW¼ NE¼
(11,000' Leadville-WC) of S 13 35-85W. Drlg. contractor: Loffland Bros.-
Eagle Co., Colo. Rig #1. Now bldg. loc.
Castle Peak Prosp.

BENTON #13-31 7/14-16/79 Bldg. loc.
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

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BENTON #13-31 7/17/79 Bldg. loc. GL elev: 9540'.
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

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BENTON #13-31 7/18/79 Bldg. loc.
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

BENTON #13-31 7/19/79 Bldg. loc.
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

BENTON #13-31 7/20/79 Bldg. loc.
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

BENTON #13-31 7/21-22/79 Bldg. loc. & drlg. conductor hole.
(11,000' Leadville-WC) 7/23 Bldg. loc. Drld. 25' of 30" hole (Dakota sd);
Eagle Co., Colo. could not drill deeper. Now prep to set conductor &
Castle Peak Prosp. move in air rig to drill disposal holes. Loc. should
be ready to move on by noon 7/24/79.

BENTON #13-31 7/24/79 Bldg. loc. Set 25' of 24" conductor;
(11,000' Leadville-WC) cemented w/2 yds ready-mix. Drld. disposal holes.
Eagle Co., Colo. Loc. will be completed today.
Castle Peak Prosp.

BENTON #13-31 7/25/79 Fin. bldg. loc. Will start RURT today.
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

BENTON #13-31 7/26/79 RURT.
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

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BENTON #13-31 7/28-29/79 RURT.
(11,000' Leadville-WC) 7/30 RURT. Will spud today.
Eagle Co., Colo.
Castle Peak Prosp.

BENTON #13-31 7/31/79 Fin. RURT. RU Hydril & rotating head.
(11,000' Leadville-WC) Now RU blooie line.
Eagle Co., Colo.
Castle Peak Prosp.

BENTON #13-31 8/1/79 Fin. RU blooie line etc. Now PU BHA, prep to
(11,000' Leadville-WC) drill.
Eagle Co., Colo.
Castle Peak Prosp.

BENTON #13-31 8/2/79 Day #1 - Drlg. in Dakota ss @ 84'. Drld. 60'
(11,000' Leadville-WC) in 16 hrs. Drlg. w/air. Survey: $\frac{1}{2}^{\circ}$ @ 60'. PU bit #1
Eagle Co., Colo. (12 $\frac{1}{4}$ " Smith L4HJ - SN 577RX) @ 24'. Bit has drld. 60'
Castle Peak Prosp. in 16 hrs. Spudded @ 1:00 PM 8/1/79. Ran bit #1--
bit would not drill due to hardness of formation.
PU Mission air hammer. Now drlg. w/5000#; RPM 45.

BENTON #13-31 8/3/79 2 days - Drlg. in sd & sh @ 241'. Drld. 157' in
(11,000' Leadville-WC) 11 hrs. Drlg. w/air mist. Surveys: $\frac{1}{2}^{\circ}$ @ 120' & 210'.
Eagle Co., Colo. Pulled bit #1 @ 84'. Bit drld. 60' in 16 hrs. Dull grade
Castle Peak Prosp. 7-5-I. Ran bit #2 (12 $\frac{1}{4}$ " Hughes V2 - SN NF9945). Pulled
bit #2 @ 210'. Bit drld. 126' in 9 $\frac{1}{4}$ hrs. Dull grade 5-4-I.
Ran bit #3 (12 $\frac{1}{4}$ " Hughes OWVJ - SN ?). Bit has drld. 31' in 3-3/4 hrs. Encountered
small amt. of wtr. @ 100'. Began misting. Drlg. wt 20,000#; RPM 40.

BENTON #13-31 8/4/79 3 days-Drlg.w/air mist in sd & sh
(11,000' Leadville-WC) at 557'. Drld. 316' in 13 $\frac{1}{2}$ hrs. Survey:
Eagle Co., Colo. $\frac{1}{2}^{\circ}$ at 280'; $\frac{1}{2}^{\circ}$ at 360'; $\frac{1}{2}^{\circ}$ at 450'. Pulled
Castle Peak Prosp. bit #3 at 317'. Bit had drld. 107' in 6-3/4
hrs. Dull grade: 6-2-I. Ran bit #4 (12 $\frac{1}{4}$ "
Hughes J-33, S/N VJ870) at 317'. Bit #4 has drld. 240' in 8 $\frac{1}{2}$ hrs.
Drlg.wt. 25,000; RPM 35.

8/5/79 4 days-Reaming 12 $\frac{1}{2}$ " hole to 20"
at 160'. Reamed 135' in 7 hrs.w/air mist. Survey: $\frac{1}{2}^{\circ}$ at 530'
Pulled bit #4 at 557' (no footage). Bit #4 has drld. 240' in 9 $\frac{1}{2}$
hrs. Dull grade: 5-4-I. Ran HO #1 (20" Security medium cutter
w/no s/n) in at 25'. HO #1 reamed 135' in 7 hrs. Rmg.wt. 0-5,000;
RPM 30-90.

8/6/79 5 days-Reaming 12 $\frac{1}{2}$ " hole to 20" at
302'. Reamed 142' in 17 $\frac{1}{2}$ hrs.w/air mist. HO #1 has drld. 234' in
23 $\frac{1}{2}$ hrs. Pulled HO #1 at 259'. Dull grade: 4-4-I. Ran HO #2 (20"
Security medium cutter w/no s/n) in at 259'. HO #2 has reamed
43' in 2 $\frac{1}{2}$ hrs. Rmg.wt. 2-5,000; RPM 30-90.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

00378192
- Reaming 12¼" hole to 20" @ 505'.
21¼ hrs. w/air mist. HO #2 has
reamed 246' in 24-3/4 hrs. Rmg wt 30,000#; RPM 40.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

8/8/79 7 days - TD 581'. Reamed w/air mist 76'
of 12¼" hole to 20" & drld. 22' of 12¼" hole.
Running 16" csg. Pulled HO #2 @ 581'. HO reamed
322' in 34-3/4 hrs. Dull grade 5-4-1. WO csg. crew.
Now running 16" csg.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

8/9/79 8 days - TD 581'. NU csg. head.
Ran 19 jts 65# H-40 Buttress 16" csg., total of 585.79',
set @ 575' KB. Cemented w/300 sx Howco Lite w/15#
gilsonite & ¼# flocele/sk & 2% CaCl, followed by 300 sx
Class "G" w/¼#/sk Flocele & 2% CaCl. Cmt. circ.
Had good returns. PD @ 11:00 AM 8/8/79. Now NU csg. head.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

8/10/79 9 days - TD 581'. NU BOPE. Fin. welding
on csg. head--w/great difficulty. Now NU BOPE.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., COLO.
Castle Peak Prosp.

8/11/79 10 days-Drlg. in Entrada at 610'.
drld. 29' in 2 hrs. w/air mist. Nippled
up BOP, pressure tested to 500psi. PU BHA.
TIH w/bit #5 (12½" Security S3J, s/n A58258)
in at 581'. Bit has drld. 29' in 2 hrs.
Drlg.wt. 10,000#; RPM 35.

8/12/79 11 days-Drlg. in Chilne at 936'
Drld. 326' in 21-3/4 hrs. w/air mist. Surveys: 3/4° at 610'; ½°
at 840'. Bit #5 has drld. 355' in 23-3/4 hrs. (30,000#wt./RPM 35-50)

8/13/79 12 days-Drlg. at 1247' w/air mist.
Drld. 311' in 21-3/4 hrs. Surveys: 3/4° at 935'; 1½° at 1020';
2° at 1175. Bit #5 has drld. 666' in 45½ hrs. Sample tops:
Shinarump-975'; Moenkopi-1020'. Drlg.wt. 20-25,000#; RPM 40-60.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

8/14/79 13 days - POH w/bit #5 @ 1481'. Drld. 234'
of sd & sh in 19 hrs. Drlg. w/air mist. Surveys:
2½° @ 1237'; 2½° - @ 1439'. Now pulling bit #5 @ 1481'.
Bit drld. 900' in 65 hrs.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

8/15/79 14 days - Working stuck DP @ 1516'. Drld. 35'
in 2 hrs. Drlg. w/air mist. Fin. pulling bit #5 @ 1481'.
Dull grade 4-3-1/8". Ran bit #6 (12¼" Hughes J33 -
SN VJ074). Bit has drld. 35' in 2 hrs. Fin. trip;
began drlg. Lost complete ret's. Attempted to pull
off btm--stuck pipe. Now mixing mud & LCM, attempting to work free.

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BENTON #13-31 8/16/79 15 days - TD 1516'. TIH w/jars. OIL & GAS CONS. COMM.
(11,000' Leadville-WC) MW 9.0; visc 44; LCM 30#/bbl. Mixed mud & LCM.
Eagle Co., Colo. Attempted to free pipe--w/o results. Ran freepoint.
Castle Peak Prosp. Found IBS stuck @ 1411'. Backed off @ 1381'. Left
bit, bit sub, 3 - 9" DC's, IBS & 1 - 8" DC in hole.
PU jars. Now washing to top of fish.

BENTON #13-31 8/17/79 16 days - TD 1516'. Jarring on stuck DP.
(11,000' Leadville-WC) Fin. washing to top of fish. Washed thru bridge. Spotted
Eagle Co., Colo. mud. Screwed into fish. Began jarring & working fish.
Castle Peak Prosp. DP backed off @ 650'. POH. LD 1 jt DP. TIH. Could not
engage fish. POH. LD overshot. TIH open-ended. Screwed
into fish. Backed off 3 jts DP. POH. LD split box. TIH. Screwed into fish.
Began jarring & working on fish. Have now worked fish uphole 15'.

BENTON #13-31 8/18/79 17 days - TD 1516'. Attempting to back off
(11,000' Leadville-WC) fish @ 1290'. Jarred fish uphole 200'; fish stopped
Eagle Co., Colo. coming. Now freepointing & attempting to back off.
Castle Peak Prosp. 8/19 18 days - TD 1516'. Working on booster.
Backed off fish @ 1243'. POH. PU & TIH w/bit.
Attempted to condition--having trouble w/booster.

8/20 19 days - TD 1516'. WO booster parts.
Attempted to clean hole w/air mist; went to aerated mud. Booster went down.
Now WO air compressor parts.

BENTON #13-31 8/21/79 20 days - TD 1516'. Cleaning out hole above
(11,000' Leadville-WC) fish @ 1110'. Waited 19 hrs for booster repairs.
Eagle Co., Colo. TIH w/bit #RR2. Now cleaning out to top of fish.
Castle Peak Prosp.

BENTON #13-31 8/22/79 21 days - TD 1516'. Cleaning out hole. Washed &
(11,000' Leadville-WC) reamed to top of fish. Bit plugged. POH. Mixed mud.
Eagle Co., Colo. Cleaned out to top of fish @ 1235'. POH. TIH open-ended.
Castle Peak Prosp. Attempted to screw into fish. Hit bridge @ 1000'. Could
not wash out. POH. TIH w/bit. Now washing bridge
@ 1000'.

BENTON #13-31 8/23/79 22 days - TD 1516'. Jarring fish out of hole.
(11,000' Leadville-WC) Washed & cleaned out to top of fish @ 1235'. Established
Eagle Co., Colo. circ. Have jarred fish uphole 75'. Approx. top of fish:
Castle Peak Prosp. 1160'; bit @ 1356'. Now jarring fish.

BENTON #13-31 8/24/79 23 days - TD 1516'. Changing out DP.
(11,000' Leadville-WC) MW 8.6; visc 48. Jarred fish out. POH w/fish.
Eagle Co., Colo. Now PU BHA & changing out DP.
Castle Peak Prosp.

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BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

8/25/79 24 days - Mixing mud & LCM @ 1546'. Drld. 30' in 6 1/4 hrs. Drlg. w/aerated mud. Fin. PU BHA & bit #6 (12 1/4" Hughes J33 - SN VJ074) @ 1516'. Bit has drld. total of 65' in 8 1/4 hrs. Now mixing mud & LCM.

8/26 25 days - Drlg. in Maroon shale @ 1658'. Drld. 112' in 12-3/4 hrs. MW 8.6; visc 45; drlg. w/aerated mud. Surveys: 2 1/4° @ 1537'; 2° @ 1597'. Bit #6 has drld. 177' in 21 hrs. Drlg. wt 7000#; RPM 60.

8/27 26 days - Drlg. in Maroon shale @ 1772'. Drld. 114' in 12 1/2 hrs. Drlg. w/aerated mud. MW 8.5; visc 44. Bit #6 has drld. 291' in 33 1/2 hrs. Carrying tr of BGG. Drlg. wt 20,000#; RPM 50.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

8/28/79 27 days - Drlg. in Maroon shale @ 2003'. Drld. 231' in 22-3/4 hrs. Drlg. w/aerated mud. MW 8.3; visc 38. Survey: 2° @ 1960'. Bit #6 has drld. 522' in 56 1/4 hrs. Drlg. wt 20,000#; RPM 60.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

8/29/79 28 days - Drlg. in Maroon sh @ 2114'. Drld. 111' in 21 1/2 hrs. Drlg. w/aerated mud. MW 8.4; visc 31. Surveys: 3° @ 2008'; 2-3/4° @ 2114'. Bit #6 has drld. 633' in 77 1/4 hrs. Carrying tr of BGG. Drlg. wt 15,000#; RPM 50.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

29 days-Mixing mud & conditioning hole at 2140' Drld. 26' in 4 1/2 hrs. MW 8.4; vis 41. Survey: 2-3/4° at 2104'. Lost complete returns at 2140'. attempting to regain circ. Bit #6 has drld. 663' in 81-3/4 hrs.

BENTON #13-31
(11,000' Leadville-WC)
Eagle Co., Colo.
Castle Peak Prosp.

8/31/79 30 days - Drlg. in sltstn @ 2184'. Drld. 44' in 12 1/4 hrs. Drlg. w/aerated mud. MW 8.6; visc 45; LCM 35%. Bit #6 has drld. 708' in 94 hrs. Lost approx. 2500 bbls. drlg. mud. Now have system balanced-- drlg. w/90% ret's. Drlg. wt 15,000#; RPM 60.

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