



QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
<b>KNIGHT</b>	Dakota	Park City	McCracken
<b>ECHO CANYON</b>	Burro Canyon	Rico (Goodridge)	Aneth
<b>WASHIP</b>	Cedar Mountain	Supai	Simonson Dolomite
<b>KELVIN</b>	Buckhorn	Wolfcamp	Sevy Dolomite
<b>JURASSIC SHALE 4990</b>	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

*Surface*  
**1446**  
**2283**  
**3345**  
**4990**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No.

10. Field and Pool, or Wildcat

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

12. County or Parrish 13. State

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  
Burton/Hawks, Inc.-MADEX II

3. Address of Operator  
P.O. Box 359 Casper, Wyoming 82602

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface 1980' FWL/660 FNL NE NW  
At proposed prod. zone

Aagard

28-2

Field unnamed Wildcat

Sec 28 T3N R8E

Summit County, Utah

14. Distance in miles and direction from nearest town or post office\*  
18 miles east of Coleville

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 660'

16. No. of acres in lease 640

17. No. of acres assigned to this well 40

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft. 1150'

19. Proposed depth 6000'

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.)  
Approx 7315 GR

22. Approx. date work will start\* 03-26-82

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	9 5/8"	37.7	600'	Cmt to surface
8 3/4"	7"	17.0	6000'	600 sx

- 1) Drill a 12 1/4" hole to 600'. Set 9 5/8" csg, cmt to surface.
- 2) Drill a 8 3/4" hole to 6000'.
- 3) In event of production, set 7" csg, cmt w/600 sx.

Bond Coverage: #4466633

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

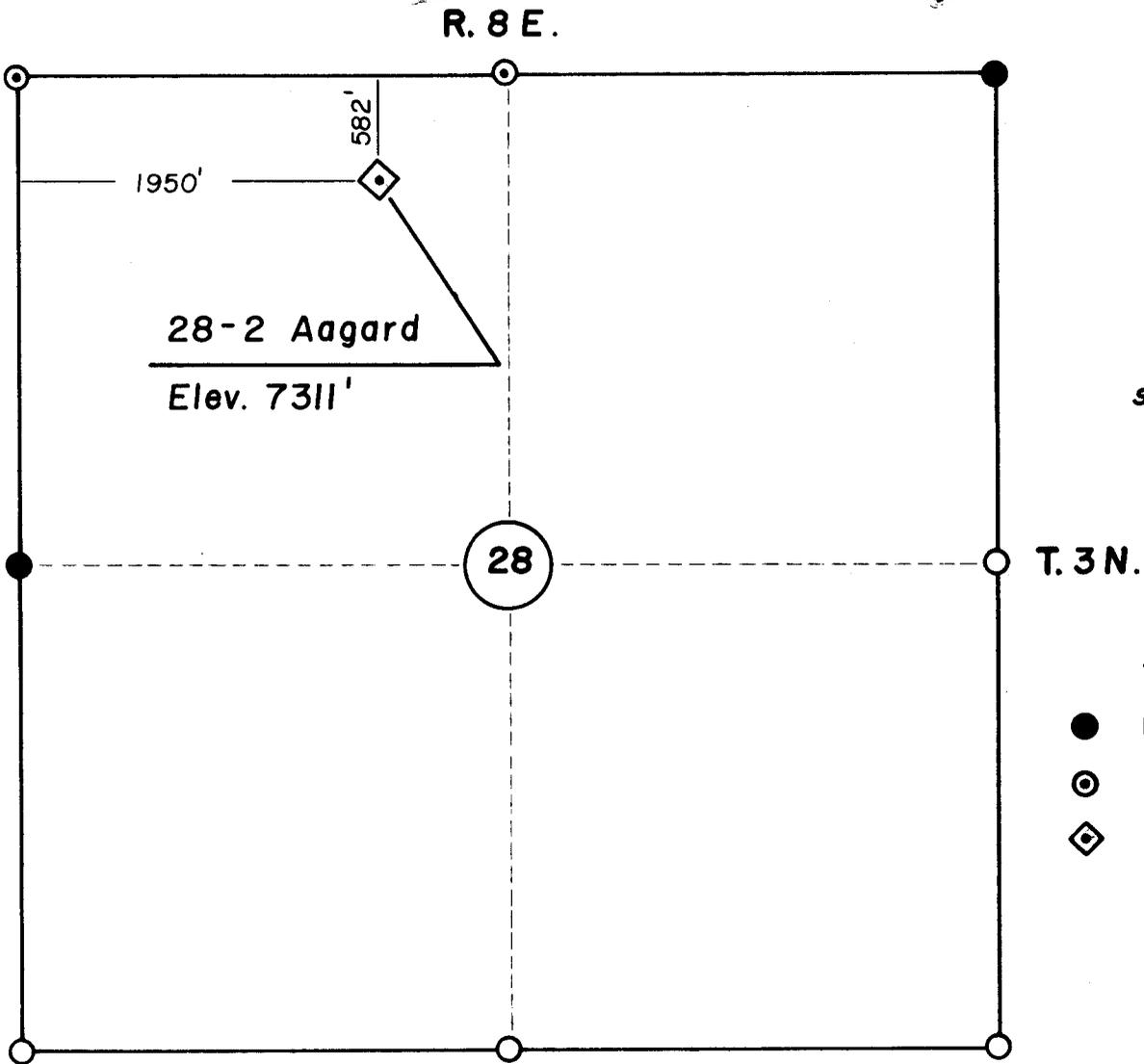
DATE: 3/23/82  
BY: [Signature]

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: Dennis Redgeway Title: Field Representative Date: 03-19-82  
(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date  
Conditions of approval, if any:



SCALE 1"=1000'

—NOTES—

- FOUND CORNER
- ⊙ PROPORTIONED CORNER
- ◇ WELL LOCATION

STATE OF WYOMING )  
 COUNTY OF SWEETWATER ) ss CERTIFICATE OF SURVEYOR

I, DICK R. GRIFFIN, of Rock Springs, Wyoming, hereby certify that this map was made from notes taken during an actual survey under my supervision on March 19, 1982, and that it shows correctly the drilling location of The 28-2 Aagard for BURTON-HAWKS, INC. as staked on the ground during said survey.

*Dick R. Griffin*

WYOMING RLS NO. 2785  
 UTAH RLS NO. 5120

MAP SHOWING DRILLING  
 LOCATION OF THE

28-2 Aagard

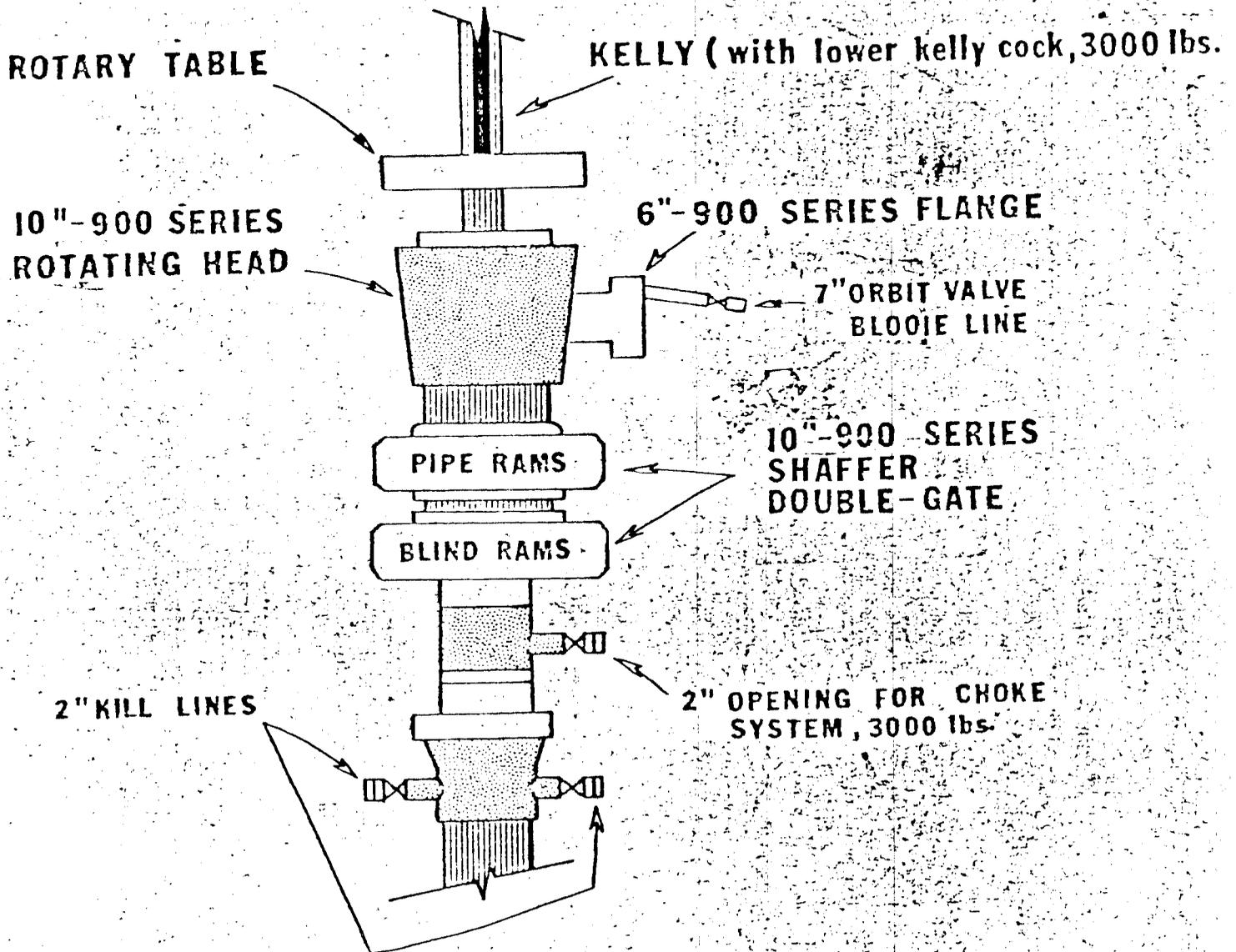
D.R. GRIFFIN AND ASSOCIATES, INC.  
 P.O. BOX 1059  
 ROCK SPRINGS, WY. 82901  
 (307) 362-5028

NE 1/4 NW 1/4 Sec. 28  
 T3N, R8E, SLM  
 SUMMIT CO., UTAH

*Madexco*  
Drilling  
Co.

**M A D E X II**

**BOP STACK**



rig no. 2

NOT TO SCALE

\*\* FILE NOTATIONS \*\*

DATE: March 23, 1982

OPERATOR: Boston/Hawks, Inc.

WELL NO: Asgard #28-2

Location: Sec. 28 T. 3N R. 8E County: Summit

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-043-30188

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK as per rule c-3

Administrative Aide: OK as per rule c-3,

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. \_\_\_\_\_

O.K. Rule C-3

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

Lease Designation Free

Plotted on Map

Approval Letter Written

Hot Line

P.I.

March 23, 1982

Burton/Hawks, Inc.  
P. O. Box 359  
Casper, Wyoming 82602

RE: Well No. Aagard #28-2,  
Sec. 28, T. 3N, R. 8E,  
Summit, County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, 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:

CLEON B. FEIGHT  
Office: 533-5771  
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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 43-043-30198.

Sincerely,

DIVISION OF OIL, GAS AND MINING

  
Cleon B. Feight  
Director

CBF/db  
CC: OGM  
Enclosure

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Burton/Hawks

WELL NAME: Aagard #28-2.

SECTION N 28 TOWNSHIP 3N RANGE 8E COUNTY Summit

DRILLING CONTRACTOR Nutech

RIG # 2

SPUDDED: DATE 3-30-82

TIME 3:00 PM

HOW Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Debbie

TELEPHONE # 307-234-1593

DATE 4-1-82

SIGNED DB

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 1

B/H Interest: BPO- 35.16%  
                  APO- 35.16%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
East Pineview Prospect

03-20-82  
thru WO location.  
03-23-82

03-24-82 WO location.

03-25-82 WO location.

03-26-82 Moving & RU.

03-27-82  
thru Ready to spud.  
03-30-82

03-31-82 Depth 334'. Operation: drlg. 7 hrs. starting motor & RU for 12¼, 3/4 hrs. WO pump, ½ hr. circ, ¼ hr. rig serv, 1 hr. weld extension on conductor pipe, 1¼ hrs. survey @ 300'-1¼", 2 hrs. cln out flow line. Bit #1A, 12¼", Security, S44, #211917. Made 334' in 10¼ hrs. Spudded @ 3 p.m. on 3-30-82. Running spud mud-MW 9.3, vis 40.

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APR 05 1982

DIVISION OF  
OIL, GAS & MINING

Utah O&G

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 3

B/H Interest: BPO: 35.16%  
                  APO: 35.16%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
East Pineview Prospect

04-15-82    Depth 2101. Operation: drlg. Bit #5, 8 3/4", Security, S86F, #131430.  
              Made 186' in 14 3/4 hrs. 14 3/4 hrs. drlg, 5 hrs. rig repair, 3 hrs.  
              tripping, 3/4 hrs. survey, 1/2 hr. rig serv. Survey: 2098'-30'. MW 8.9,  
              mud gradient .463, AV 38, pv 10, yp 6, ph 9.8, WL 6.2, filter cakes 2/30,  
              al filtrate .4/.6, Cl 300, Ca 60, snd 1/2%, solid 4%, wtr 96%.

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APR 19 1982  
DIVISION OF  
OIL, GAS & MINING

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 2

Uth or C 2  
B/H Interest: BPO-35.16%  
APO-35.16%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
East Pineview Prospect

- 04-06-82 ph 10.5, WL 4.9, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 60,  
(cont) snd 1%, solid 5%, wtr 95%. Drlg red w/some Ss.
- 04-07-82 Depth 1066'. Operation: drlg. Bit #1, out @ 1005'. Bit #2, 8 3/4",  
Security, S4T, #211174. Made 61' in 9 3/4 hrs. 8 1/4 hrs. tripping, 3 3/4  
hrs. survey, 1 1/2 hrs. change over pump, 3/4 hrs. WO geograph line,  
9 3/4 hrs. drlg. Wt on bit-5000 lbs. incr to 8000 lbs; straightening  
hole. Survey @ 1055'-8 1/2°. MW 8.9, mud gradient .463, AV 33, pv 4, yp 8,  
gels 1/2, ph 9.8, WL 6.2, filter cakes 2/30, al filtrate .1/.3, Cl 300,  
Ca 60, snd 1/2%, solid 4%, wtr 96%. Drlg 20% Sh, red brn; 30% sltstn, gry-  
grn, red brn, dk gry; 50% Ss, lt yel, wh.
- 04-08-82 Depth 1225'. Operation: drlg. Bit #2, 8 3/4", Security, S4T, #211174.  
Made 168' in 19 1/2 hrs. Bit #3, 8 3/4", Security, M4N, #213657. Made 56'  
in 7 hrs. 19 1/2 hrs. drlg, 2 1/4 hrs. tripping, 2 hrs. survey. Survey: 1050'  
8 1/2°, 1106'-8°, 1150'-7 3/4°, 1210'-7°. MW 8.9, AV 36, pv 9, yp 6, gels 1/2,  
ph 10.5, WL 4.6, filter cakes 2/30, al filtrate .4/.6, Cl 300, Ca 60, snd  
1/2%, solid 4%, wtr 96%.
- 04-09-82 17 hrs. drlg, 3 1/2 hrs. tripping, 1 hr. survey, 2 hrs. rig repair, 1/2 hr.  
rig serv. Bit made 177' in 23 3/4 hrs. Surveys: 1333'-5 3/4°, 1424'-  
4 3/4°, 1486'-3 3/4°, 1550'-3°.
- 04-10-82 Bit #4, 8 3/4", Security, S84J, #134667. Made 145' in 9 1/2 hrs. 5 3/4 hrs.  
drlg, 1 hr. survey, 2 1/4 hrs. tripping, 15 hrs. rig repair. Survey: 1486'-  
3 3/4°.
- 04-11-82 Broke down. Repairing 24 hrs.
- 04-12-82 Depth 1611'. Operation: drlg. Bit #4, 8 3/4", Security, S84J, #134667.  
Made 260' in 15 hrs. 5 1/2 hrs. drlg, 15 3/4 hrs. rig repair, 2 1/4 hrs. tripping,  
wash 90' to btm, 1/2 hr. survey. Survey: 1550'-3°. MW 9, mud gradient .468,  
AV 36, pv 8, yp 4, gels 2, ph 9.8, WL 5.8, filter cakes 2.30, al filtrate  
.1/.4, Cl 300, Ca 60, snd 1/2%, solid 5%, wtr 95%.
- 04-13-82 Depth 1845'. Operation: drlg, 13-14 ft. per hr. Bit #4, 8 3/4", Security,  
S84J, #134667. Made 595' in 35 1/2 hrs. 18 hrs. drlg, 4 3/4 hrs. rig repair,  
3/4 hrs. survey, 1/2 hr. rig serv. Surveys: 1640'-3°, 1733'-3°. MW 8.9,  
mud gradient .463, AV 38, pv 8, yp 4, gels 1/2, ph 9.4, WL 5.6, filter cakes  
2/30, al filtrate .1/.4, Cl 300, Ca 60, snd 1/2%, solid 4%, wtr 96%. Drlg  
in Congl.
- 04-14-82 Depth 1915'. Operation: repairing rig. Bit #4, 8 3/4", Security, S84J,  
#134667. Correction on yesterdays bit footage: 595'=495'. Today's footage:  
made 565' in 40 1/2 hrs. 5 1/4 hrs. drlg, 18 3/4 hrs. rig repair. MW 8.9, mud  
gradient .463, AV 41, pv 10, yp 7, gels 1/2, ph 9.4, WL 5.8, filter cakes  
2/30, al filtrate .1/.4, Cl 300, Ca 60, snd 1/2%, solid 4%, wtr 96%.

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 2

B/H Interest: BPO-35.16%  
APO-35.16%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
East Pineview Prospect

- 04-06-82 ph 10.5, WL 4.9, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 60,  
(cont) snd 1%, solid 5%, wtr 95%. Drlg red w/some Ss.
- 04-07-82 Depth 1066'. Operation: drlg. Bit #1, out @ 1005'. Bit #2, 8 3/4",  
Security, S4T, #211174. Made 61' in 9 3/4 hrs. 8 1/2 hrs. tripping, 3 3/4  
hrs. survey, 1 1/2 hrs. change over pump, 3/4 hrs. WO geograph line,  
9 3/4 hrs. drlg. Wt on bit-5000 lbs. incr to 8000 lbs; straightening  
hole. Survey @ 1055'-8 1/2°. MW 8.9, mud gradient .463, AV 33, pv 4, yp 8,  
gels 1/2, ph 9.8, WL 6.2, filter cakes 2/30, al filtrate .1/.3, Cl 300,  
Ca 60, snd 1/2%, solid 4%, wtr 96%. Drlg 20% Sh, red brn; 30% sltstn, gry-  
grn, red brn, dk'gry; 50% Ss, lt yel, wh.
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Made 168' in 19 1/2 hrs. Bit #3, 8 3/4", Security, M4N, #213657. Made 56'  
in 7 hrs. 19 1/2 hrs. drlg, 2 1/4 hrs. tripping, 2 hrs. survey. Survey: 1050'  
8 1/2°, 1106'-8°, 1150'-7 3/4°, 1210'-7°. MW 8.9, AV 36, pv 9, yp 6, gels 1/2,  
ph 10.5, WL 4.6, filter cakes 2/30, al filtrate .4/.6, Cl 300, Ca 60, snd  
1/2%, solid 4%, wtr 96%.
- 04-09-82 17 hrs. drlg, 3 1/2 hrs. tripping, 1 hr. survey, 2 hrs. rig repair, 1/2 hr.  
rig serv. Bit made 177' in 23 3/4 hrs. Surveys: 1333'-5 3/4°, 1424'-  
4 3/4°, 1486'-3 3/4°, 1550'-3°.
- 04-10-82 Bit #4, 8 3/4", Security, S84J, #134667. Made 145' in 9 1/2 hrs. 5 3/4 hrs.  
drlg, 1 hr. survey, 2 1/4 hrs. tripping, 15 hrs. rig repair. Survey: 1486'-  
3 3/4°.
- 04-11-82 Broke down. Repairing 24 hrs.
- 04-12-82 Depth 1611'. Operation: drlg. Bit #4, 8 3/4", Security, S84J, #134667.  
Made 260' in 15 hrs. 5 1/2 hrs. drlg, 15 3/4 hrs. rig repair, 2 1/4 hrs. tripping,  
wash 90' to btm, 1/2 hr. survey. Survey: 1550'-3°. MW 9, mud gradient .468,  
AV 36, pv 8, yp 4, gels 2, ph 9.8, WL 5.8, filter cakes 2.30, al filtrate  
.1/.4, Cl 300, Ca 60, snd 1/2%, solid 5%, wtr 95%.
- 04-13-82 Depth 1845'. Operation: drlg, 13-14 ft. per hr. Bit #4, 8 3/4", Security,  
S84J, #134667. Made 595' in 35 1/2 hrs. 18 hrs. drlg, 4 3/4 hrs. rig repair,  
3/4 hrs. survey, 1/2 hr. rig serv. Surveys: 1640'-3°, 1733'-3°. MW 8.9,  
mud gradient .463, AV 38, pv 8, yp 4, gels 1/2, ph 9.4, WL 5.6, filter cakes  
2/30, al filtrate .1/.4, Cl 300, Ca 60, snd 1/2%, solid 4%, wtr 96%. Drlg  
in Congl.
- 04-14-82 Depth 1915'. Operation: repairing rig. Bit #4, 8 3/4", Security, S84J,  
#134667. Correction on yesterdays bit footage: 595'=495'. Today's footage:  
made 565' in 40 1/2 hrs. 5 1/4 hrs. drlg, 18 3/4 hrs. rig repair. MW 8.9, mud  
gradient .463, AV 41, pv 10, yp 7, gels 1/2, ph 9.4, WL 5.8, filter cakes  
2/30, al filtrate .1/.4, Cl 300, Ca 60, snd 1/2%, solid 4%, wtr 96%.

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 1

B/H Interest: EPO-35.16%  
APO-35.16%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
East Pineview Prospect

- 03-20-82  
thru WO location.  
03-23-82
- 03-24-82 WO location.
- 03-25-82 WO location.
- 03-26-82 Moving & RU.
- 03-27-82  
thru Ready to spud.  
03-30-82
- 03-31-82 Depth 334'. Operation: drlg. 7 hrs. starting motor & RU for 12¼, ¾ hrs. WO pump, ½ hr. circ, ¼ hr. rig serv, 1 hr. weld extension on conductor pipe, 1½ hrs. survey @ 300'-¼<sup>o</sup>, 2 hrs. cln out flow line. Bit #1A, 12¼", Security, S44, #211917. Made 334' in 10¼ hrs. Spudded @ 3 p.m. on 3-30-82. Running spud mud-MW 9.3, vis 40.
- 04-01-82 Depth 589'. Operation: drlg. Bit #1A, 12¼", Security, S44, #211917. Made 589' in 28 ¾ hrs. 18½ hrs. drlg, ¾ hrs. rig serv, ¾ hrs. cln out flow line. 1½ hr. survey @ 500'-1½<sup>o</sup>, 2 hrs. circ, ½ hr. WO pump. MW 9.4, vis 43.
- 04-02-82 Depth 612'. Operation: WO welder. Bit #1A, 12¼", Security, S44, #211917. Made 612' in 32 hrs. 3 hrs. drlg, ¼ hr. rig serv, 2 hrs. circ & survey @ 612'-2¼<sup>o</sup>, 1½ hrs. trip out, 5 ¾ hrs run 9 5/8" csg, 1 hr. circ csg, 1 ¾ hrs. cmtg csg, 9 hrs. WOC. CSG INFO: 15 jts, 9 5/8". Cmtd w/225 sx, set @ 600'. MW 9.4, vis 43. Wt. of csg: 34 lbs.
- 04-03-82 Depth 719'. Operation: drlg. Bit #1, 8 ¾", Security, S4TJ, #896338. Made 107' in 1 hr. 7 hrs. WOC, 11 ¾ hrs. NU, 2½ hrs. trip in & drill cmt, 1 ¾ hrs. build vol. & mix mud, 1 hr. drlg.
- 04-04-82 Depth 729'. Operation: change over pump clutch. Bit #1, 8 ¾", Security, S4TJ, #896338. Made 117' in ¾ hrs. 1½ hrs. drlg, 7 ¾ hrs. WO pump clutch, 10 hrs. change over pump, 4½ hrs. work w/welder, ¼ hr. trip.
- 04-05-82 Depth 806'. Operation: survey-2<sup>o</sup>. Bit #1, 8 ¾", Security, S4TJ, #896338. Made 194' in 6 hrs. 3 hrs. change over pump, 1½ hrs. mix mud & circ, 3½ hrs. running survey, 2 ¾ hrs. drlg, 2¼ hrs. trip, 9¼ hrs. WO stabilizer, 2 hrs. reaming. MW 8.8, mud gradient .458, AV 32, pv 6, yp 4, gels 1/2, ph 11, WL 6.8, filter cakes 2/30, al filtrate .5/.8, salt 500, Cl 350, Ca 40, snd ¾, solid 3.5%, wtr 96.5%.
- 04-06-82 Depth 1005'. Operation: trip & checking survey. Bit #1, 8 ¾", Security, S4TJ, #896338. Made 393' in 23 hrs. 1 hr. reaming, 18½ hrs. drlg, 2 hrs. survey, ¼ hr. WO pump, ¾ hrs. rig serv, 1½ hrs. trip. Surveys: 996'-10<sup>o</sup>, 800'-8<sup>o</sup>, 600'-1<sup>o</sup>. MW 9, mud gradient .468, AV 36, pv 12, yp 6, gels 1/2,

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MAY 03 1982

DIVISION OF  
OIL, GAS & MINING

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 4

B/H Interest: BPO: 35.16%  
APO: 35.16%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
East Pineview Prospect

- 04-23-82 (cont) snd ½%, solid 5%, oil-tr, wtr 95%. Drlg 10-12 min. per ft. S1 show in Ss-3410-40'. S1 residual flor ring when crushed. No direct flor, no gas. P intgran por. 70% Sh, 30% sltstn, tr Ls, tr Ss. BGG-tr to 4 units, TG-12 units @ 3481'.
- 04-24-82 Depth 3603'. Operation: drlg. Bit #7, made 400' in 64¼ hrs. 22¼ hrs. drlg, 1 hr. survey @ 3565'-3½<sup>o</sup>, ¾ hrs. cln Sh pit.
- 04-25-82 Depth 3697'. Operation: drlg. Bit #7, made 494' in 84 hrs. 19 ¾ hrs. drlg, 1 hr. cln pits, 2 hrs. survey-?, 1 hr. trip, ¼ hr. rig serv.
- 04-26-82 Depth 3812'. Operation: drlg. Bit #8, 8 ¾", Security, #134668. Made 115' in 12 ¾ hrs. 8½ hrs. trip, 12 ¾ hrs. drlg, 2 hrs. cln mud tanks & mud serv, ¾ hrs. survey @ 3781'-2 ¾<sup>o</sup>. MW 9.1, mud gradient .473, AV 40, pv 11, yp 5, gels 1/2, ph 9.5, WL 6, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd ½%, solid 5.8%, o-tr, wtr 94.2%.
- 04-27-82 Depth 3993'. Operation: drlg. Bit #8, made 296' in 35 hrs. 22¼ hrs. drlg, 1 ¾ hrs. survey @ 3873'-3½<sup>o</sup>, 3965'-3¼<sup>o</sup>. MW 9.1, mud gradient .478, AV 42, pv 13, yp 7, gels 1/2, ph 9.8, WL 4.6, filter cakes 2/30, al filtrate .2/.4, Cl 300, Ca 60, snd ½%, solid 5.8%, o-tr, wtr 94.2%. At 3881' had a 90 unit C<sub>1</sub> gas show w/some C<sub>2</sub> and C<sub>3</sub>, accompanied by a 3' drlg break form 5-7 min/ft down to 3-5 min/ft. Ss, m-fg, well sort, fri, g por, no flor or cut.
- 04-28-82 Depth 4212'. Operation: drlg. Bit #8, made 515' in 58¼ hrs. 23¼ hrs. drlg, ¾ hrs. survey-4056'-2 ¾<sup>o</sup>. MW 9.2, mud gradient .478, AV 40, pv 13, yp 6, gels 1/2, ph 9.2, WL 6.2, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd ½%, solid 6.5%, wtr 93.5%. Drlg in Kelvin. 40% sltstn, red, brn red, gry brn; 60% Sh, gry, red brn, red.
- 04-29-82 Depth 4403'. Operation: drlg. Bit #8, made 706' in 79 ¾ hrs. 21½ hrs. drlg, 1 hrs. survey @ 4239'-2¼<sup>o</sup>, ¼ hr. rig serv, 1¼ hrs. lay down 5 stands & add reamer. MW 9, mud gradient .468, AV 40, pv 12, yp 6, gels 1/2, ph 9.6, WL 5.8, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd ½%, solid 5%, wtr 95%. From 4370-4400': 30% Ss, vf-f, well sort, fri, fr por, no flor, sl streaming cut, sl gas incr from 4390-95', C<sub>1</sub> only, 2-4 units incr to 9 units.
- 04-30-82 Depth 4562'. Operation: drlg. Bit #8, made 865' in 101½ hrs. 21 ¾ hrs. drlg, 1 hr. survey @ 4426'-2<sup>o</sup>, ¾ hrs. WO pump, ½ hr. rig serv. MW 9, mud gradient .468, AV 37, pv 10, yp 5, gels 1/2, ph 9.4, WL 5.6, filter cakes 2/30, al filtrate .1/.4, Cl 400, Ca 40, snd ½%, solid 5%, wtr 95%. 4465'-120 u hotwire, 85u C<sub>1</sub>, 6u C<sub>2</sub>; 4470'-118 u hotwire, 90u C<sub>1</sub>, 10u C<sub>2</sub>; 4475'-5 u hotwire, 3u C<sub>1</sub>. 4400-50': 30% Ls, red, brn, buff, gry, micro-crpplxln, hd; 30% sltstn, red brn, gry brn, sndy, lmy in part, m hd; 40% Sh, red brn, gry brn, calc-lmy, slty, snd, m hd. 4450-90: 50% Ss, wh, clr, s&p, mg, well rd, well sort, becoming sl congl, g intgran por, no visible flor, no cut; Sh & sltstn, AA. 4490-4560: 60% Sh, gry grn, gry brn, red brn, blk, slty in part, predom non calc, soft-m hd; 20% Ls, AA; 20% sltstn, AA.

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                  APO: 35.16%  
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Operator: Burton/Hawks, Inc.  
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- 04-23-82 (cont) snd ½%, solid 5%, oil-tr, wtr 95%. Drlg 10-12 min. per ft. Sl show in Ss-3410-40'. Sl residual flor ring when crushed. No direct flor, no gas. P intgran por. 70% Sh, 30% sltstn, tr Ls, tr Ss. BGG-tr to 4 units, TG-12 units @ 3481'.
- 04-24-82 Depth 3603'. Operation: drlg. Bit #7, made 400' in 64½ hrs. 22½ hrs. drlg, 1 hr. survey @ 3565'-3½', ¾ hrs. cln Sh pit.
- 04-25-82 Depth 3697'. Operation: drlg. Bit #7, made 494' in 84 hrs. 19 ¾ hrs. drlg, 1 hr. cln pits, 2 hrs. survey-?, 1 hr. trip, ¼ hr. rig serv.
- 04-26-82 Depth 3812'. Operation: drlg. Bit #8, 8 ¾", Security, #134668. Made 115' in 12 ¾ hrs. 8½ hrs. trip, 12 ¾ hrs. drlg, 2 hrs. cln mud tanks & mud serv, ¾ hrs. survey @ 3781'-2 ¾". MW 9.1, mud gradient .473, AV 40, pv 11, yp 5, gels 1/2, ph 9.5, WL 6, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd ½%, solid 5.8%, o-tr, wtr 94.2%.
- 04-27-82 Depth 3993'. Operation: drlg. Bit #8, made 296' in 35 hrs. 22½ hrs. drlg, 1 ¾ hrs. survey @ 3873'-3½', 3965'-3¼'. MW 9.1, mud gradient .478, AV 42, pv 13, yp 7, gels 1/2, ph 9.8, WL 4.6, filter cakes 2/30, al filtrate .2/.4, Cl 300, Ca 60, snd ½%, solid 5.8%, o-tr, wtr 94.2%. At 3881' had a 90 unit C<sub>1</sub> gas show w/some C<sub>2</sub> and C<sub>3</sub>, accompanied by a 3' drlg break form 5-7 min/ft down to 3-5 min/ft. Ss, m-fg, well sort, fri, g por, no flor or cut.
- 04-28-82 Depth 4212'. Operation: drlg. Bit #8, made 515' in 58¼ hrs. 23¼ hrs. drlg, ¾ hrs. survey-4056'-2 ¾". MW 9.2, mud gradient .478, AV 40, pv 13, yp 6, gels 1/2, ph 9.2, WL 6.2, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd ½%, solid 6.5%, wtr 93.5%. Drlg in Kelvin. 40% sltstn, red, brn red, gry brn; 60% Sh, gry, red brn, red.
- 04-29-82 Depth 4403'. Operation: drlg. Bit #8, made 706' in 79 ¾ hrs. 21½ hrs. drlg, 1 hrs. survey @ 4239'-2¼', ¼ hr. rig serv, 1½ hrs. lay down 5 stands & add reamer. MW 9, mud gradient .468, AV 40, pv 12, yp 6, gels 1/2, ph 9.6, WL 5.8, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd ½%, solid 5%, wtr 95%. From 4370-4400': 30% Ss, vf-f, well sort, fri, fr por, no flor, sl streaming cut, sl gas incr from 4390-95', C<sub>1</sub> only, 2-4 units incr to 9 units.
- 04-30-82 Depth 4562'. Operation: drlg. Bit #8, made 865' in 101½ hrs. 21 ¾ hrs. drlg, 1 hr. survey @ 4426'-2', ¾ hrs. WO pump, ½ hr. rig serv. MW 9, mud gradient .468, AV 37, pv 10, yp 5, gels 1/2, ph 9.4, WL 5.6, filter cakes 2/30, al filtrate .1/.4, Cl 400, Ca 40, snd ½%, solid 5%, wtr 95%. 4465'-120 u hotwire, 85u C<sub>1</sub>, 6u C<sub>2</sub>; 4470'-118 u hotwire, 90u C<sub>1</sub>, 10u C<sub>2</sub>; 4475'-5 u hotwire, 3u C<sub>1</sub>. 4400-50': 30% Ls, red, brn, buff, gry, micro-crpxln, hd; 30% sltstn, red brn, gry brn, sndy, lmy in part, m hd; 40% Sh, red brn, gry brn, calc-lmy, slty, snd, m hd. 4450-90: 50% Ss, wh, clr, s&p, mg, well rd, well sort, becoming sl congl, g intgran por, no visible flor, no cut; Sh & sltstn, AA. 4490-4560: 60% Sh, gry grn, gry brn, red brn, blk, slty in part, predom non calc, soft-m hd; 20% Ls, AA; 20% sltstn, AA.

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B/H Interest: BPO: 35.16%  
APO: 35.16%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
East Pineview Prospect

- 04-15-82 Depth 2101'. Operation: drlg. Bit #5, 8 3/4", Security, S86F, #131430. Made 186' in 14 3/4 hrs. 14 3/4 hrs. drlg, 5 hrs. rig repair, 3 hrs. tripping, 3/4 hrs. survey, 1/2 hr. rig serv. Survey: 2098'-3<sup>0</sup>. MW 8.9, mud gradient .463, AV 38, pv 10, yp 6, ph 9.8, WL 6.2, filter cakes 2/30, al filtrate .4/.6, Cl 300, Ca 60, snd 1/4%, solid 4%, wtr 96%.
- 04-16-82 Depth 2348'. Operation: drlg. Bit #5, 8 3/4", Security, S86F, #131430. Made 533' in 36 1/2 hrs. 20 1/2 hrs. drlg, 3/4 hrs. survey, 3/4 hrs. rig serv, 2 hrs. rig repair. Survey: 2309'-3 1/2<sup>0</sup>. MW 9.1, mud gradient .473, AV 38, pv 10, yp 8, gels 1/2, ph 9.7, WL 5.8, filter cakes 2/30, al filtrate .2/.5, Cl 300, Ca 40, snd 1/4%, solid 6%, wtr 94%.
- 04-17-82 Depth 2552'. Operation: drlg. Bit #5, 8 3/4", Security, S86F, #131430. Made 637' in 58 3/4 hrs. 22 1/4 hrs. drlg, 1/4 hr. rig repair, 3/4 hrs. rig serv, 3/4 hrs. survey @ 2491'-3 1/2<sup>0</sup>.
- 04-18-82. Depth 2575'. Operation: drlg. Bit #5, made 660'-6 3 3/4 hrs. Bit #6, 8 3/4", Security, S84F, #134668. Made 152' in 11 3/4 hrs. 1 1/2 hrs. repair wt. indicator, 5 hrs. trip for bit #6 @ 2575', 2 hrs. slip drlg line, 1/2 hrs. survey @ 2629'-3 1/2<sup>0</sup>, 14 3/4 hrs. drlg., 1/4 hr. rig serv.
- 04-19-82 Depth 3040'. Operation: drlg. Bit #6, 8 3/4", Security, S84F, #134668. Made 435' in 31 3/4 hrs. 3 1/2 hrs. surveys @ 2811'-4<sup>0</sup>, 2902'-3 1/2<sup>0</sup>, 3021'-4<sup>0</sup>, 20 hrs. drlg, 1/2 hr. rig serv. MW 9, mud gradient .468, AV 36, pv 7, yp 4, gels 1/2, ph 9.5, WL 5.8, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd 1/4%, solid 5%, wtr 95%. Drlg in wh-gry Ss & sltstn, lt gry Sh.
- 04-20-82 Depth 3200'. Operation: drlg. Bit #6, made 595' in 54 hrs. 22 1/4 hrs. drlg, 1 3/4 hrs. survey, 1/2 hr. rig serv. Surveys: 3203'-4<sup>0</sup>, 3114'-4<sup>0</sup>, 3265'-3 1/2<sup>0</sup>. MW 8.8, mud gradient .458, AV 36, pv 8, yp 4, gels 1/2, ph 9.8, WL 6, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd 1/4%, solid 3.5%, wtr 96.5%.
- 04-21-82 Depth 3350'. Operation: drlg. Bit #7, 8 3/4", Security, S84F, #136923. Made 147' in 15 3/4 hrs. 15 3/4 hrs. drlg, 7 1/4 hrs. tripping, 1 hrs. survey-3265'-3 1/2<sup>0</sup>. MW 8.8, mud gradient .458, AV 37, pv 8, yp 6, gels 1/2, ph 9.6, WL 6, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd 1/4%, solid 4%, wtr 96%. TG-6 units. Drlg in Wanship.
- 04-22-82 Depth 3455'. Operation: drlg. Bit #7, made 252' in 35 hrs. 22 1/4 hrs. drlg, 1 3/4 hrs. survey: 3355'-3 1/2<sup>0</sup>, 3446'-2 1/2<sup>0</sup>. Top of Kelvin-3345'. MW 9, mud gradient .468, AV 38, pv 10, yp 5, gels 1/2, ph 9.6, WL 6, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd 1/4%, solid 5%, wtr 95%.
- 04-23-82 Depth 3489'. Operation: drlg. Bit #7, made 286' in 42 3/4 hrs. 7 3/4 hrs. drlg, 12 3/4 hrs. tripping, change out btm hole assembly, 3 hrs. rig repairs, 1/2 hr. survey. MW 9, mud gradient .468, AV 41, pv 13, yp 7, gels 1/2, ph 9.2, WL 4, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40,

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B/H Interest: BPO-35.16%  
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Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
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- 05-15-82 Depth 5704'. Operation: drlg. Bit #11, made 359' in 84 3/4 hrs. 1 1/4 hrs. drlg, 3/4 hrs. survey @ 5704'-8°, 1 hr. trip, 12 hrs. WO drlg line & swivel parts, 9 hrs. string up drlg line & work on swivel. 5690-5700': 60% Sh, 40% sltstn, tr Ss.
- 05-16-82 Depth 5716'. Operation: tripping. Bit #12, 8 3/4"; Security, #131608, made 12' in 2 1/2 hrs. 3 1/2 hrs. rig repair, 10 hrs. trip for new bit, 8 hrs. reaming, 2 1/2 hrs. drlg.
- 05-17-82 Depth 5810'. Operation: drlg. Bit #12, made 106' in 24 1/2 hrs. 22 hrs. drlg, 1 1/2 hrs. cln Sh pit, 1/2 hr. change out saver sub. MW 9.2, mud gradient .478, AV 47, pv 18, yp 9, gels 2/4, ph 9.3, WL 4.2, filter cakes, 2/30, al filtrate .1/.2, Cl 300, Ca 40, snd 1/2%, solid 6%, wtr 94%. 5700-5800': 60% Sh, brn, red brn, lt gry, some lav, slty & sndy in part, grad to sltstn, plty, blk, non-sl calc, soft-mod hd; 40% sltstn, red brn, brn, lt gry, shly, sndy, grad to Sh, predom non-calc, some lmy, some calc frac filling, soft-mod hd.
- 05-18-82 Depth 5896'. Operation: drlg. Bit #12, made 192' in 46 1/2 hrs. 22 hrs. drlg, 2 hrs. survey @ 5880'-9°. MW 9.1, mud gradient .473, AV 49, pv 17, yp 11, gels 2/4, ph 9.6, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/4%, solid 5.5%, wtr 94.5%. 5800-5890': 60% Sh, 40% sltstn, N.S. 4u of G, 12u of G during survey.
- 05-19-82 Depth 5981'. Operation: drlg. Bit #12, made 277' in 66 1/2 hrs. 20 hrs. drlg, 1/2 hr. cln bit, 2 1/4 hrs. rig repair, 1/4 hr. rig serv, 1 hr. survey @ 5970'-9°. MW 9.1, mud gradient .473, AV 50, pv 18, yp 11, gels 2/4, ph 9.2, WL 6.1, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/4%, solid 5.5%, wtr 94.5%. 5980': 60% sltstn, red-red brn, gry brn, some gry grn; 30% Sh, lt-m gry, gry grn, some red brn, some gry brn; 10% scattered Ls & Ss. Ls, lt tan, buff, rose; Ss, wh, clr. N.S. BGG-3 to 6u, G while down-4 to 5u.
- 05-20-82 Depth 6004'. Operation: drlg. Bit #12, made 297' in 72 1/2 hours. Bit #13, made 3' in 1 1/2 hr; Serial No. 813716, 8 3/4 Security. MW 9.2, mud gradient .478, AV 52, pv 20, yp 13, gels 2/4, ph 9.2, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/2%, solids 6%, wtr 94%. Trip gas @ 6001', 230 units. Drlg in 40% Shale, red-red brn, lt gry, slightly slty, sandy in parts, lightly calc; 30% sltstn. Brn-red brn, shly, sndy in parts, calc, limey; 30% Limestone, tan-lt gry, rose-red brn, micro-XLN, shly in parts, occasionally sndy, some chalk. Very soft-hard. 6 1/4 hrs. drlg, 2 3/4 hrs. reaming, 13 3/4 hrs. tripping, 1 1/4 hrs. circ.
- 05-21-82 Depth 6103'. Operation: drlg. Bit #13, made 102' in 24 1/2 hrs. 23 hrs. drlg, 1 hr. rig serv. MW 9.1, mud gradient .473, AV 50, pv 18, yp 10, gels 2/4, ph 9.3, WL 4.2, filter cakes 2/30, al filtrate .1/.6, Cl 300, Ca 40, snd 1/2%, solid 5.5%, wtr 94.5%. Drlg in Kelvin; Lithology, AA, N.S. BGG-tr to 2u.

MAY 24 1982

DIVISION OF  
OIL, GAS & MINING

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B/H Interest: BPO-35.16%  
APO-35.16%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
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- 05-15-82 Depth 5704'. Operation: drlg. Bit #11, made 359' in 84 3/4 hrs. 1 1/4 hrs. drlg, 3/4 hrs. survey @ 5704'-8<sup>o</sup>, 1 hr. trip, 12 hrs. WO drlg line & swivel parts, 9 hrs. string up drlg line & work on swivel. 5690-5700': 60% Sh, 40% sltstn, tr Ss.
- 05-16-82 Depth 5716'. Operation: tripping. Bit #12, 8 3/4"; Security, #131608, made 12' in 2 1/2 hrs. 3 1/2 hrs. rig repair, 10 hrs. trip for new bit, 8 hrs. reaming, 2 1/2 hrs. drlg.
- 05-17-82 Depth 5810'. Operation: drlg. Bit #12, made 106' in 24 1/2 hrs. 22 hrs. drlg, 1 1/2 hrs. cln Sh pit, 1/2 hr. change out saver sub. MW 9.2, mud gradient .478, AV 47, pv 18, yp 9, gels 2/4, ph 9.3, WL 4.2, filter cakes, 2/30, al filtrate .1/.2, Cl 300, Ca 40, snd 1/2%, solid 6%, wtr 94%. 5700-5800': 60% Sh, brn, red brn, lt gry, some lav, slty & sndy in part, grad to sltstn, plty, blk, non-sl calc, soft-mod hd; 40% sltstn, red brn, brn, lt gry, shly, sndy, grad to Sh, predom non-calc, some lmy, some calc frac filling, soft-mod hd.
- 05-18-82 Depth 5896'. Operation: drlg. Bit #12, made 192' in 46 1/2 hrs. 22 hrs. drlg, 2 hrs. survey @ 5880'-9<sup>o</sup>. MW 9.1, mud gradient .473, AV 49, pv 17, yp 11, gels 2/4, ph 9.6, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/2%, solid 5.5%, wtr 94.5%. 5800-5890': 60% Sh, 40% sltstn, N.S. 4u of G, 12u of G during survey.
- 05-19-82 Depth 5981'. Operation: drlg. Bit #12, made 277' in 66 1/2 hrs. 20 hrs. drlg, 1/2 hr. cln bit, 2 1/4 hrs. rig repair, 1/4 hr. rig serv, 1 hr. survey @ 5970'-9<sup>o</sup>. MW 9.1, mud gradient .473, AV 50, pv 18, yp 11, gels 2/4, ph 9.2, WL 6.1, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/2%, solid 5.5%, wtr 94.5%. 5980': 60% sltstn, red-red brn, gry brn, some gry grn; 30% Sh, lt-m gry, gry grn, some red brn, some gry brn; 10% scattered Ls & Ss. Ls, lt tan, buff, rose; Ss, wh, clr. N.S. BGG-3 to 6u, G while down-4 to 5u.
- 05-20-82 Depth 6004'. Operation: drlg. Bit #12, made 297' in 72 1/2 hours. Bit #13, made 3' in 1 1/2 hr; Serial No. 813716, 8 3/4 Security. MW 9.2, mud gradient .478, AV 52, pv 20, yp 13, gels 2/4, ph 9.2, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/2%, solids 6%, wtr 94%. Trip gas @ 6001', 230 units. Drlg in 40% Shale, red-red brn, lt gry, slightly slty, sandy in parts, parts, lightly calc; 30% sltstn. Brn-red brn, shly, sndy in parts, calc, limey; 30% Limestone, tan-lt gry, rose-red brn, micro-XLN, shly in parts, occasionally sndy, some chalk. Very soft-hard. 6 1/2 hrs. drlg, 2 3/4 hrs. reaming, 13 3/4 hrs. tripping, 1 1/4 hrs. circ.
- 05-21-82 Depth 6103'. Operation: drlg. Bit #13, made 102' in 24 1/2 hrs. 23 hrs. drlg, 1 hr. rig serv. MW 9.1, mud gradient .473, AV 50, pv 18, yp 10, gels 2/4, ph 9.3, WL 4.2, filter cakes 2/30, al filtrate .1/.6, Cl 300, Ca 40, snd 1/2%, solid 5.5%, wtr 94.5%. Drlg in Kelvin; Lithology, AA. N.S. BGG-tr to 2u.

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B/H Interest: BPO-35.16%  
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Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.  
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- 05-07-82 Depth 5154'. Operation: drlg. Bit #10, serial #134665, made 151' in 32 hrs. 22½ hrs. drlg, 1½ hrs. cln mud pit. MW 9.1, mud gradient .473, AV 48, pv 18, yp 2, gels 2/4, ph 9.6, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 6%, wtr 94%. Drlg 60% sltstn & Sh, red, red brn, sh gry, soft-m hd; 40% Sh, lt gry, red brn, slt & Ss, lmy in part, soft-m hard, some Ls, wh, tan, m hd. N.S.
- 05-08-82 Depth 5250'. Operation: drlg. Bit #10, made 247' in 52 hrs. 20 hrs. drlg, 1¼ hrs. survey @ 5173'-5<sup>0</sup>, 2 hrs. trip up 6 stands, lay down bad jt., ½ hr. rig repair, ¼ hr. rig serv.
- 05-09-82 Depth 5345'. Operation: drlg. Bit #10, made 342' in 75 hrs. 23 hrs. drlg, 1 hr. survey @ 5286'-6¼<sup>0</sup>.
- 05-10-82 Depth 5352'. Operation: tripping. Bit #11, 8 3/4", Security, S84F, #136921. Made 7' in 2 hrs. 1½ hrs. survey @ 5345'-misrun-will run another, 11½ hrs. trip for bit, 4 hrs. reamd 360', 5 hrs. rig repair, 2 hrs. drlg. MW 9, mud gradient .468, AV 52, pv 23, yp 3, gels 2/6, ph 9.3, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 5%, wtr 95%.
- 05-11-82 Depth 5457'. Operation: drlg. Bit #11, made 112' in 23¼ hrs. 21¼ hrs. drlg, 1 3/4 hrs. survey @ 5457'-8½<sup>0</sup>, 3/4 hr. rig repair, 1¼ hrs. rig serv. MW 9.2, mud gradient .478, AV 51, pv 20, yp 2, gels 2/4, ph 9.3, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 6.5%, wtr 93%. 5398'-100u Connection G, 5395-5415' 10-30u. No drlg breaks.
- 05-12-82 Depth 5530'. Operation: drlg. Bit #11, made 185' in 44 3/4 hrs. 21½ hrs. drlg, 1½ hrs. cln pits, 1 hr. survey @ 5457'-8½<sup>0</sup>. MW 9.1, mud gradient .473, AV 57, pv 18, yp 11, gels 2/4, ph 9.5, WL 3.8, filter cakes 2/30, al filtrate 1/.4, Cl 300, Ca 40, snd ½%, solid 6%, wtr 94%. 5450-90': 70% Sh, 20% Ls, 10% sltstn. 5490-5520': 50% Ss, 50% Sh. N.S.
- 05-13-82 Depth 5598'. Operation: trip up 5 or 6 stands to WO hydraulic system. Bit #11, made 253' in 63 hrs. 18¼ hrs. drlg, ¼ hr. rig serv, 3 3/4 hrs. rig repair, hydraulic system, 1¼ hrs. survey @ 5550'-8<sup>0</sup>, ½ hr. cln Sh pit. MW 9.2, mud gradient .478, AV 49, pv 20, yp 1, gels 2/4, ph 9.3, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 6.5%, wtr 93.5%. Drlg 50% snd, wh, gry, yel, orng; 30% sltstn, red, brn, gry; 20% Sh, lt gry, brn. N.S. 2-6u of G while down.
- 05-14-82 Depth 5698'. Operation: ready to trip for bit. Bit #11, made 353' in 83½ hrs. 20½ hrs. drlg, 3½ hrs. trip up 5 stands & change out swivel motors. MW 9.2, mud gradient .478, AV 48, pv 19, yp 10, gels 2/4, ph 9.2, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 6.5%, wtr 93.5%. 5600-90': 40% Sh, red, brn, lt-m gry, 50% sltstn, red brn, gry brn, 10% Ls, lt gry, tan, red brn. G-4u, G while down-20u. N.S.

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B/H Interest: BPO-35.16%  
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Contractor: Nutech #2  
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East Pineview Prospect

- 05-07-82 Depth 5154'. Operation: drlg. Bit #10, serial #134665, made 151' in 32 hrs. 22½ hrs. drlg, 1½ hrs. cln mud pit. MW 9.1, mud gradient .473, AV 48, pv 18, yp 2, gels 2/4, ph 9.6, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ¼%, solid 6%, wtr 94%. Drlg 60% sltstn & Sh, red, red brn, sh gry, soft-m hd; 40% Sh, lt gry, red brn, slt & Ss, lmy in part, soft-m hard, some Ls, wh, tan, m hd. N.S.
- 05-08-82 Depth 5250'. Operation: drlg. Bit #10, made 247' in 52 hrs. 20 hrs. drlg, 1¼ hrs. survey @ 5173'-5<sup>0</sup>, 2 hrs. trip up 6 stands, lay down bad jt., ½ hr. rig repair, ¼ hr. rig serv.
- 05-09-82 Depth 5345'. Operation: drlg. Bit #10, made 342' in 75 hrs. 23 hrs: drlg, 1 hr. survey @ 5286'-6¼<sup>0</sup>.
- 05-10-82 Depth 5352'. Operation: tripping. Bit #11, 8 3/4", Security, S84F, #136921. Made 7' in 2 hrs. 1½ hrs. survey @ 5345'-misrun-will run another, 11½ hrs. trip for bit, 4 hrs. reamd 360', 5 hrs. rig repair, 2 hrs. drlg. MW 9, mud gradient .468, AV 52, pv 23, yp 3, gels 2/6, ph 9.3, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 5%, wtr 95%.
- 05-11-82 Depth 5457'. Operation: drlg. Bit #11, made 112' in 23¼ hrs. 21¼ hrs. drlg, 1 3/4 hrs. survey @ 5457'-8½<sup>0</sup>, 3/4 hr. rig repair, 1¼ hrs. rig serv. MW 9.2, mud gradient .478, AV 51, pv 20, yp 2, gels 2/4, ph 9.3, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 6.5%, wtr 93%. 5398'-100u Connection G, 5395-5415' 10-30u. No drlg breaks.
- 05-12-82 Depth 5530'. Operation: drlg. Bit #11, made 185' in 44 3/4 hrs. 21½ hrs. drlg, 1½ hrs. cln pits, 1 hr. survey @ 5457'-8½<sup>0</sup>. MW 9.1, mud gradient .473, AV 57, pv 18, yp 11, gels 2/4, ph 9.5, WL 3.8, filter cakes 2/30, al filtrate 1/.4, Cl 300, Ca 40, snd ½%, solid 6%, wtr 94%. 5450-90': 70% Sh, 20% Ls, 10% sltstn. 5490-5520': 50% Ss, 50% Sh. N.S.
- 05-13-82 Depth 5598'. Operation: trip up 5 or 6 stands to WO hydraulic system. Bit #11, made 253' in 63 hrs. 18¼ hrs. drlg, ¼ hr. rig serv, 3 3/4 hrs. rig repair, hydraulic system, 1¼ hrs. survey @ 5550'-8<sup>0</sup>, ½ hr. cln Sh pit. MW 9.2, mud gradient .478, AV 49, pv 20, yp 1, gels 2/4, ph 9.3, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 6.5%, wtr 93.5%. Drlg 50% snd, wh, gry, yel, orng; 30% sltstn, red, brn, gry; 20% Sh, lt gry, brn. N.S. 2-6u of G while down.
- 05-14-82 Depth 5698'. Operation: ready to trip for bit. Bit #11, made 353' in 83½ hrs. 20½ hrs. drlg, 3½ hrs. trip up 5 stands & change out swivel motors. MW 9.2, mud gradient .478, AV 48, pv 19, yp 10, gels 2/4, ph 9.2, WL 4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 6.5%, wtr 93.5%. 5600-90': 40% Sh, red, brn, lt-m gry, 50% sltstn, red brn, gry brn, 10% Ls, lt gry, tan, red brn. G-4u, G while down-20u. N.S.

#28-2 Aagard  
 Sec 28 T3N R8E NE NW  
 Summit County, Utah  
 Elevation: 7315' GR  
 Page 5

B/H Interest: BPO: 35.16%  
 APO: 35.16%  
 Contractor: Nutech #2  
 Operator: Burton/Hawks, Inc.  
 East Pineview Prospect

05-01-82 Depth 4586'. Bit #8, made 889' in 105 hrs. 3½ hrs. drlg, 1 hr. mix mud & circ, cond hole, 7¼ hrs. TOH, stuck @ 3446', 7¼ hrs. repair boom & swivel, 3 hrs. TIH, 2 hrs. reaming. Survey @ 4586'-2½.

05-02-82 Depth 4666'. Bit #9, 8 3/4", Security, S86F, #132093. Made 80' in 14 hrs. 8½ hrs. reaming & cond hole, 14 hrs. drlg, ¼ hr. rig serv, 1¼ hrs. cond hole. 4580-4650': 70% Sh, predom red brn, some lt gry, plty, blk, slty in part, soft-m hd; 20% sltstn, lt gry, red brn, gry brn, shly, sndy in part, soft; 10% Ls, tan, lt gry, red brn, micro-crplx, shly in part, some calc frac fill, hd. Had 120u hotwire, C<sub>1</sub>-220u, C<sub>2</sub>-80u, C<sub>3</sub>-26u, C<sub>4</sub>-tr. Also, Ss, lt pk, lt gry, vf-fg, sr, fr intgran por, no direct flor, no streaming, v sl cut when crushed.

05-03-82 Depth 4790'. Operation: drlg. Bit #9, made 204' in 37 3/4 hrs. 23 3/4 hrs. drlg, ¼ hr. rig serv. MW 9, mud gradient .468, AV 54, pv 18, yp 20, gels 2/6, ph 9.4, WL 4, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd ½%, solid 5%, wtr 95%. BGG-4 to 8 units. Ls, Ss, sltstn, Sh, AA, w/Sh beocming predom gry, abdt cvgs.

	Hotwire	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>
4675'	108u	200u	70u	10u
4680'	126u	190u	12u	4u
4695'	10u	8u	---	---
4740'	15u	15u	tr	---
4750'	12u	12u	---	---

05-04-82 Depth 4888'. Operation: drlg. Bit #9, made 302' in 58 3/4 hrs. 21 hrs. drlg, 3 hrs. short trip, change out stabilizer. Downtime G (on short trip)-12 to 14 units. Spl top of Kelvin-4770'. MW 9.2, mud gradient .478, AV 56, pv 20, yp 8, gels 2/6, ph 9.4, WL 4.8, filter cakes 2/30, al filtrate .1/.4, Cl 300, Ca 40, snd ½%, solid 6.5%, wtr 93.5%. 40% Snd, red brn, v lmy, mg, some cg, slty in part w/some cht; 40% Sh, orng, some red brn, gry; 20% Ls, lt tan, pk.

05-05-82 : Depth 4990'. Operation: drlg. Bit #9, made 404' in 82¼ hrs. 23½ hrs. drlg, ½ hr. rig repair. MW 9.1, mud gradient .473, AV 50, pv 18, yp 6, gels 2/4, ph 9.5, WL 3.8, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 6%, wtr 94%. N.S. 4890-4920': 80% dolomite & Ss, hd-v hd. 4920-4980': 60% sltstn, lt brn, vf-fg, some mg; 40% Ss, lt brn, hd-v hd.

05-06-82 Depth 5048'. Operation: drlg. Bit #9, made 417' in 85½ hrs. Bit #10, 8 3/4", Security, S84F, # ?, made 45' in 9½ hrs. 12½ hrs. drlg, 8½ hrs. tripping, 1 3/4 hrs. working pipe loose @ 1794', ½ hr. rig repair, 3/4 hrs. survey @ 5004'-3<sup>0</sup>. MW 9.1, mud gradient .473, AV 50, pv 14, yp 20, gels 2/4, ph 9.2, WL 4.4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd ½%, solid 6%, wtr 94%. Drlg in Kelvin, N.S.

# RECEIVED

JUN 24 1982

## DIVISION OF OIL, GAS & MINING

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 9

B/H Interest: BPO-35.16%  
APO-32.8125%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

- 06-01-82 Depth 6339'. Operation: repairs. On top of fish, working on draw works motor. 6 3/4 hrs. reaming, 2 1/2 hrs. circ, 9 1/4 hrs. tripping, 3 hrs. making up tools, 2 hrs. WO mechanic, 1/2 hr. rig serv. MW 9.3, mud gradient .484, AV 65, pv 30, yp 4, gels 2/6, ph 9.2, WL 3.4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/2%, solid 7%, wtr 92%. NOTE: top of fish-5744'. Fish consists of 1 jt of drill pipe, 14 drill collars, 1 reamer, & 2 stabilizers.
- 06-02-82 Depth 6339'. Operation: picking up logging tool. Bit set @ 6307'. 11 hrs. rig repairs, 3 3/4 hrs. milling on fish, 1 3/4 hrs. circ & cond hole for logs, 7 1/2 hrs. trip out for logs. Tt @ 2084'. Worked pipe through key seat. Worked 3 stands out 180'. Didn't get out w/overshot. Twisted off just above bumper sub. 30' mistake in pipe tally. Top of fish yesterday: 5744'. Lost overshoot. Now top of fish: 5757'. MW 9.2, mud gradient .478. AV 62, pv 25, yp 11, gels 2/6, ph 9.2, WL 3.6, filter cakes 2/30, al filtrate .1/.6, Cl 300, Ca 40, snd 1/2%, solid 6%, wtr 93%.
- 06-03-82 Depth 6339'. Operation: logging. 17 1/4 hrs. logging, 6 3/4 hrs. TI w/overshot. Stopped @ 884' & TO. Log shows iron @ 862'. MW 9.2, mud gradient .478, AV 58, pv 22, yp 8, gels 2/4, ph 9.4, WL 3.8, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/2%, solid 6%, wtr 94%.
- 06-04-82 Depth 6339'. Operation: fishing for overshot @ 851'. No mud report.
- 06-05-82 Depth 6339'. Operation: fishing. 17 hrs. fishing, 6 1/2 hrs. laying down fishing tools, 1/2 hr. rig serv.
- 06-06-82 Depth 6339'. Operation: fishing. 1 hr. caught 1st fish, laying down fishing tools, 23 hrs. TIH & ream to top of 2nd fish, TOH.
- 06-07-82 Depth 6339'. Operation: fishing. 10 hrs. tripping, 9 hrs. fishing, 5 hrs. breaking down fishing tools.
- 06-08-82 Depth 6339'. Operation: running csg. 12 1/4 hrs. TI, set 75 sx cmt for hard plug from top of fish to 5630', plugged down, TO, 2 hrs. RU B.J. Hughes, 9 3/4 hrs. RU to run 7" csg.
- 06-09-82 Depth 6339'. Operation: working stuck pipe @ 4976'. 18 hrs. running 7" csg to 4976', csg spear came apart; 4 1/2 hrs. WO 7" elevators; 1 1/2 hrs. trying to free 7" pipe. Another csg spear came apart.
- 06-10-82 T.D. 6339'. Operation: cmtg csg. 1 hr. worked csg. 5 hrs. circ & cmtg csg, 18 hrs. WO cmt. Cmtd 7", 26# K-55 LTC, E.U.E. 8rd casing @ 4976' w/450 sx of Class 'H' cmt containing 50% fly ash and 2% gel (14.4 ppg).
- 06-11-82 T.D. 6339'. Operation: RD.
- 06-12-82 T.D. 6339'. Operation: RD & WO completion rig.
- 06-13-82  
thru  
06-19-82 Dry watch.

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 8

B/H Interest: BPO-35.16%  
APO-35.16%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

- 05-22-82 Depth 6109'. Operation: WO transmission. Bit #13, made 108' in 25 3/4 hrs. 1 1/4 hrs. drlg, 22 3/4 hrs. WO transmission.
- 05-23-82 Depth 6178'. Operation: drlg. Bit #13, made 177' in 37 1/2 hrs. 11 1/4 hrs. WO transmission, 11 3/4 hrs. drlg, 1 hr. survey @ 6156'-10 1/4'.
- 05-24-82 Depth 6260'. Operation: drlg. Bit #13, made 259' in 59 1/2 hrs. 22 hrs. drlg, 1/2 hr. rig serv, check BOP, 1 1/2 hrs. survey @ 6247'-11'. MW 9.1, mud gradient .473, AV 52, pv 18, yp 10, gels 2/4, ph 9.5, WL 3.9, filter cakes 2/30, al filtrate .1/.6, Cl 300, Ca 40, snd 1/4%, solid 5.5%, wtr 94.5%. 6170-6220': 40% Sh, 30% sltstn, 30% Ls, AA, w/Sh & sltstn predom lt-m gry to gry brn. 6220-6240': 80% Ss, wh w/vcol grs, brn, gry, orng, red, predom m-cg w/some vf & vcg, p sort, sa/a w/abdt loose cg, calc cmt, fri, p visible por, v sl yel pinpoint flor, no nat cut, v sl yel crush cut. 6240-60': Sh & sltstn, predom red brn & gry brn w/some Ls. 6230': 20u hotwire, 12u-C<sub>1</sub>, 2u-C<sub>2</sub>, tr-C<sub>3</sub>. Show over interval of about 2'. BGG-tr to 4u.
- 05-25-82 Depth 6339'. Operation: stuck @ 4960'. Bit #13, made 338' in 80 1/2 hrs. 21 hrs. drlg, 1 1/2 hrs. circ & run survey, 1 3/4 hrs. trip out. MW 9.1, mud gradient .473, AV 51, pv 16, yp 9, gels 2/4, ph 9.2, WL 4, filter cakes 2/30, al filtrate .1/.6, Cl 300, Ca 40, snd 1/4%, solid 5.5%, wtr 94.5%. Drlg 50% Sh, red-red brn, gry brn; approx 30% sltstn, red-red brn; occas tr of Ls, buff, m gry; occas tr of Ss, wh, clr. BGG-tr to 4u w/approx 6u down gas. N.S.
- 05-26-82 Depth 6339'. Operation: stuck @ 1486'. Bit #13, made 0'. 2 1/2 hrs. trip for bit @ 6339', 21 1/2 hrs. work stuck pipe. Were stuck @ 4960', now stuck @ 1486'. Spot diesel in pipe release.
- 05-27-82 Depth 6339'. Operation: stuck @ 1486'. 11 hrs. spot diesel in pipe release & jar string, 2 1/2 hrs. run free point & back off, 5 hrs. trip out, pick up bumper sub & collars, trip in, 1 hr. jar string-moved about 4", 5 1/2 hrs. WO break band.
- 05-28-82 Depth 6339'. Operation: laying down fishing tools. 4 1/2 hrs. repair to breaks, 10 hrs. jar string, 3 1/2 hrs. run free point, shoot off jars, 1 hr. trip out, backed off wrong jt., 3 1/2 hrs. trip in, fish fell, 2 1/2 hrs. trip out, lay down fishing tools.
- 05-29-82 Depth 6339'. Operation: fishing. 2 1/2 hrs. trip out, laying down jars & subs, 21 hrs. making up overshot, tripping & reaming to btm, 1/2 hr. trip out w/overshot.
- 05-30-82 Depth 6339'. Operation: fishing. 5 1/2 hrs. trip out, lay down overshot, 18 1/2 hrs. trip in & reaming to fish w/bit #14, 8 3/4", Security, S44, #230517. Bit had 18 1/2 hrs. while reaming.
- 05-31-82 Depth 6339'. Operation: fishing. 16 1/4 hrs. reaming, 2 3/4 hrs. circ & cond hole, 3 hrs. short trip-25 stands, 2 hrs. reaming back to fish.

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 8

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Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

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- 05-23-82 Depth 6178'. Operation: drlg. Bit #13, made 177' in 37 1/2 hrs. 11 1/4 hrs. WO transmission, 11 3/4 hrs. drlg, 1 hr. survey @ 6156'-10 1/4'.
- 05-24-82 Depth 6260'. Operation: drlg. Bit #13, made 259' in 59 1/2 hrs. 22 hrs. drlg, 1/2 hr. rig serv, check BOP, 1 1/2 hrs. survey @ 6247'-11'. MW 9.1, mud gradient .473, AV 52, pv 18, yp 10, gels 2/4, ph 9.5, WL 3.9, filter cakes 2/30, al filtrate .1/.6, Cl 300, Ca 40, snd 1/4%, solid 5.5%, wtr 94.5%. 6170-6220': 40% Sh, 30% sltstn, 30% Ls, AA, w/Sh & sltstn predom lt-m gry to gry brn. 6220-6240': 80% Ss, wh w/vcol grs, brn, gry, orng, red, predom m-cg w/some vf & vcg, p sort, sa/a w/abdt loose cg, calc cmt, fri, p visible por, v sl yel pinpoint flor, no nat cut, v sl yel crush cut. 6240-60': Sh & sltstn, predom red brn & gry brn w/some Ls. 6230': 20u hotwire, 12u-C<sub>1</sub>, 2u-C<sub>2</sub>, tr-C<sub>3</sub>. Show over interval of about 2'. BGG-tr to 4u.
- 05-25-82 Depth 6339'. Operation: stuck @ 4960'. Bit #13, made 338' in 80 1/2 hrs. 21 hrs. drlg, 1 1/4 hrs. circ & run survey, 1 3/4 hrs. trip out. MW 9.1, mud gradient .473, AV 51, pv 16, yp 9, gels 2/4, ph 9.2, WL 4, filter cakes 2/30, al filtrate .1/.6, Cl 300, Ca 40, snd 1/4%, solid 5.5%, wtr 94.5%. Drlg 50% Sh, red-red brn, gry brn; approx 30% sltstn, red-red brn; occas tr of Ls, buff, m gry; occas tr of Ss, wh, clr. BGG-tr to 4u w/approx 6u down gas. N.S.
- 05-26-82 Depth 6339'. Operation: stuck @ 1486'. Bit #13, made 0'. 2 1/2 hrs. trip for bit @ 6339', 21 1/2 hrs. work stuck pipe. Were stuck @ 4960', now stuck @ 1486'. Spot diesel in pipe release.
- 05-27-82 Depth 6339'. Operation: stuck @ 1486'. 11 hrs. spot diesel in pipe release & jar string, 2 1/2 hrs. run free point & back off, 5 hrs. trip out, pick up bumper sub & collars, trip in, 1 hr. jar string-moved about 4", 5 1/2 hrs. WO break band.
- 05-28-82 Depth 6339'. Operation: laying down fishing tools. 4 1/2 hrs. repair to breaks, 10 hrs. jar string, 3 1/2 hrs. run free point, shoot off jars, 1 hr. trip out, backed off wrong jt., 3 1/2 hrs. trip in, fish fell, 2 1/2 hrs. trip out, lay down fishing tools.
- 05-29-82 Depth 6339'. Operation: fishing. 2 1/2 hrs. trip out, laying down jars & subs, 21 hrs. making up overshot, tripping & reaming to btm, 1/2 hr. trip out w/overshot.
- 05-30-82 Depth 6339'. Operation: fishing. 5 1/2 hrs. trip out, lay down overshot, 18 1/2 hrs. trip in & reaming to fish w/bit #14, 8 3/4", Security, S44, #230517. Bit had 18 1/2 hrs. while reaming.
- 05-31-82 Depth 6339'. Operation: fishing. 16 1/4 hrs. reaming, 2 3/4 hrs. circ & cond hole, 3 hrs. short trip-25 stands, 2 hrs. reaming back to fish.

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
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Utah O+C  
B/H Interest: BPO-35.16%  
APO-32.8125%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

- 07-06-82 Moving in & RU. Repaired floor on rig. WO kill pump.
- 07-07-82 Crew arrived @ 7 a.m. Picked up tbg & tallied into hole open ended. Found top of cmt in csg @ 5016' w/161 jts of 2 7/8" tbg. POH w/tbg. Prep to run csg scraper to T.D. WO circ pump. SIFN @ 4 p.m.
- 07-08-82 RIH w/Guiberson 7" csg scraper to 5016' w/161 jts of 2 7/8" tbg. No cmt found on inner walls of csg. POH. RU Petro-log & ran gamma ray-CBL log. Wireline depth found @ 5008'. Logging truck down for 5 hrs.- electrical problems. CBL showed good cmt bond in all zones. Top of cmt found @ 3800'. Prep perf guns. Will perf @ 7 a.m. on 7-9-82. SIFN @ 8 p.m.
- 07-09-82 Crew arrived @ 7 a.m. RIH w/4" perf guns & shot 4 hole/ft in the following intervals: 4821-28', 4834-42', 4884-89', 4913-16', 4919-27'. No fluid rise after perf. After swbg well to 3500', G began to blow, no O seen. SIFN @ 6 p.m.
- 07-10-82 Crew arrived @ 8 a.m. SITP-1500 psi. Flowed G through 2" line for 1 hr. Shut well in & found press remained @ 1500 psi. Began to flare G through 1/4" orifice. Flame exceeded 30' at times. Opened flare to full 2" line but reduced it because flame became too large. WO G tester. SIFN @ 5 p.m.
- 07-11-82 Called for Norward Inc. to run G prod test. Norward arrived on location @ 7 p.m. RU by 9:30 p.m. SIFN @ 10:30 p.m.
- 07-12-82 SITP-1400 psi. Began to flow well through tester. Preliminary results indicate a rapid press decr to 200 psi flowing press w/ 20/64" ck. G rate leveled @ 160,000 cu. ft/day. After testing well for 15 hrs., well was SI. After 6 hrs. press incr to 1350 psi. While bleeding off press, well surged w/O. This was the 1st indication of O in 3 days of testing.
- 07-13-82 Called for Western Co. to treat perms w/acid. Western arrived @ 4 p.m. & treated perms w/1000 gals of 15% HCl w/500 scf of N-2 per bbl. G & O spls are being analyzed. Began to flow back well until 12:00 a.m. All acid out of well. SIFN @ 12:00 a.m.
- 07-14-82 Crew arrived @ 7 a.m. SITP-1800 psi. This is a 400 psi incr over yesterdays SITP. RU to test unit. Initial test found 2.5 million cu. ft/day rate. After testing for 12 hrs. G prod rate stabilized @ 1.8 MMCF. Shut well in & press incr 730 psi in 3 hrs. Analyzed G spl & found 90% methane w/a BTU rating of 1033. SIFN @ 12:30 a.m.
- 07-15-82 Crew arrived @ 7 a.m. Attempted to kill well w/9 ppg brine wtr. Couldn't kill well. SIFN @ 4 p.m. & WO tbg spool & more

RECEIVED

JUL 22 1982

DIVISION OF  
OIL, GAS & MINERAL

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 9

B/H Interest: BPO-35.16%  
APO-32.8125%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

- 06-01-82 Depth 6339'. Operation: repairs. On top of fish, working on draw works motor. 6 3/4 hrs. reaming, 2 1/2 hrs. circ, 9 1/4 hrs. tripping, 3 hrs. making up tools, 2 hrs. WO mechanic, 1/2 hr. rig serv. MW 9.3, mud gradient .484, AV 65, pv 30, yp 4, gels 2/6, ph 9.2, WL 3.4, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/2%, solid 7%, wtr 92%. NOTE: top of fish-5744'. Fish consists of 1 jt of drill pipe, 14 drill collars, 1 reamer, & 2 stabilizers.
- 06-02-82 Depth 6339'. Operation: picking up logging tool. Bit set @ 6307'. 11 hrs. rig repairs, 3 3/4 hrs. milling on fish, 1 3/4 hrs. circ & cond hole for logs, 7 1/2 hrs. trip out for logs. Tt @ 2084'. Worked pipe through key seat. Worked 3 stands out 180'. Didn't get out w/overshot. Twisted off just above bumper sub. 30' mistake in pipe tally. Top of fish yesterday: 5744'. Lost overshot. Now top of fish: 5757'. MW 9.2, mud gradient .478. AV 62, pv 25, yp 11, gels 2/6, ph 9.2, WL 3.6, filter cakes 2/30, al filtrate .1/.6, Cl 300, Ca 40, snd 1/2%, solid 6%, wtr 93%.
- 06-03-82 Depth 6339'. Operation: logging. 17 1/4 hrs. logging, 6 3/4 hrs. TI w/overshot. Stopped @ 884' & TO. Log shows iron @ 862'. MW 9.2, mud gradient .478, AV 58, pv 22, yp 8, gels 2/4, ph 9.4, WL 3.8, filter cakes 2/30, al filtrate .1/.5, Cl 300, Ca 40, snd 1/2%, solid 6%, wtr 94%.
- 06-04-82 Depth 6339'. Operation: fishing for overshot @ 851'. No mud report.
- 06-05-82 Depth 6339'. Operation: fishing. 17 hrs. fishing, 6 1/2 hrs. laying down fishing tools, 1/2 hr. rig serv.
- 06-06-82 Depth 6339'. Operation: fishing. 1 hr. caught 1st fish, laying down fishing tools, 23 hrs. TIH & ream to top of 2nd fish, TOH.
- 06-07-82 Depth 6339'. Operation: fishing. 10 hrs. tripping, 9 hrs. fishing, 5 hrs. breaking down fishing tools.
- 06-08-82 Depth 6339'. Operation: running csg. 12 1/4 hrs. TI set 75 sx cmt for hard plug from top of fish to 5630', plugged down, TO, 2 hrs. RU B.J. Hughes, 9 3/4 hrs. RU to run 7" csg.
- 06-09-82 Depth 6339'. Operation: working stuck pipe @ 4976'. 18 hrs. running 7" csg to 4976', csg spear came apart; 4 1/2 hrs. WO 7" elevators; 1 1/2 hrs. trying to free 7" pipe. Another csg spear came apart.
- 06-10-82 T.D. 6339'. Operation: cmtg csg. 1 hr. worked csg. 5 hrs. circ & cmtg csg, 18 hrs. WO cmt. Cmtg 7", 26# K-55 LTC, E.U.E. 8rd casing @ 4976' w/450 sx of Class "H" cmt containing 50% fly ash and 2% gel (14.4 ppg).
- 06-11-82 T.D. 6339'. Operation: RD.
- 06-12-82 T.D. 6339'. Operation: RD & WO completion rig.
- 06-13-82  
thru  
06-19-82 Dry watch.

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. <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Burton/Hawks, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 359-Casper, Wyoming 82602		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 582 FNL/1950 FWL (NE NW)		8. FARM OR LEASE NAME
14. PERMIT NO. 43-043-30198		9. WELL NO. Aagard #28-2
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 7321' KB		10. FIELD AND POOL, OR WILDCAT Aagard Ranch Field
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec 28 T3N R8E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

RECEIVED  
 SEP 17 1982  
 DIVISION OF  
 OIL, GAS & MINING

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 checked="" 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.)\*

7/6/82 Moved Nutech #2 rig on location.

7/9 Perfed the Basal Kelvin Ss 4821-28', 4834-42', 4884-89', 4913-16', 4919-27' w/4 JPF.

7/12 SITP 1400 psig. Tested well on 20/64" choke for 15 hours-stabilized rate 160 MCFD.

7/13 Treated perfs w/1000 gals. of 15% HCl.

7/14 SITP 1800 psig. Tested well on 20/64" choke for 12 hours-stabilized rate 1800 MCFD.

7/16 SITP 1850 psig. Killed well w/50 bbls. of 9.5 ppg KCl water.

7/20 Pulled tubing out of well and installed tubinghead. RD.

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

SIGNED

*Steve Richardson*  
Steve Richardson

TITLE

Engineer

DATE

9/15/82

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 11

B/H Interest: BPO-35.16%  
                  APO-32.8125%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

- 07-16-82 Crew arrived @ 7 a.m. SITP-1850 psi. Began to pump 9.5 ppg brine wtr down backside. Pumped in 150 bbls then unseated pkr @ 4806'. Cont to pump additional 40 bbls until well went dead. Began to pull tbg & lay jts down. A hydraulic valve seat broke & power tongs couldn't be used. WO parts from Casper. Will be able to repair equipment on Monday afternoon & RD by Tuesday.
- 07-17-82  
    & WO parts.
- 07-18-82
- 07-19-82 WO parts.
- 07-20-82 Crew arrived @ 7 a.m. Repaired hydraulic fitting on power tong. Also repaired hydraulic line. Began to pull remainder of tbg but well had G kick. Pumped down 50 bbls of 9.5 ppg brine wtr & killed well. Pulled all tbg out of hole & installed wellhead. RD & moved to 28-1. SIFN @ 8:30 p.m.

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 10

B/H Interest: BPO-35.16%  
APO-32.8125%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

- 07-06-82 Moving in & RU. Repaired floor on rig. WO kill pump.
- 07-07-82 Crew arrived @ 7 a.m. Picked up tbg & tallied into hole open ended. Found top of cmt in csg @ 5016' w/161 jts of 2 7/8" tbg. POH w/tbg. Prep to run csg scraper to T.D. WO circ pump. SIFN @ 4 p.m.
- 07-08-82 RIH w/Guiberson 7" csg scraper to 5016' w/161 jts of 2 7/8" tbg. No cmt found on inner walls of csg. POH. RU Petro-log & ran gamma ray-CBL log. Wireline depth found @ 5008'. Logging truck down for 5 hrs.- electrical problems. CBL showed good cmt bond in all zones. Top of cmt found @ 3800'. Prep perf guns. Will perf @ 7 a.m. on 7-9-82. SIFN @ 8 p.m.
- 07-09-82 Crew arrived @ 7 a.m. RIH w/4" perf guns & shot 4 hole/ft in the following intervals: 4821-28', 4834-42', 4884-89', 4913-16', 4919-27'. No fluid rise after perf. After swbg well to 3500', G began to blow, no O seen. SIFN @ 6 p.m.
- 07-10-82 Crew arrived @ 8 a.m. SITP-1500 psi. Flowed G through 2" line for 1 hr. Shut well in & found press remained @ 1500 psi. Began to flare G through 1/4" orifice. Flame exceeded 30' at times. Opened flare to full 2" line but reduced it because flame became too large. WO G tester. SIFN @ 5 p.m.
- 07-11-82 Called for Norward Inc. to run G prod test. Norward arrived on location @ 7 p.m. RU by 9:30 p.m. SIFN @ 10:30 p.m.
- 07-12-82 SITP-1400 psi. Began to flow well through tester. Preliminary results indicate a rapid press decr to 200 psi flowing press w/ 20/64" ck. G rate leveled @ 160,000 cu. ft/day. After testing well for 15 hrs., well was SI. After 6 hrs. press incr to 1350 psi. While bleeding off press, well surged w/O. This was the 1st indication of O in 3 days of testing.
- 07-13-82 Called for Western Co. to treat perfs w/acid. Western arrived @ 4 p.m. & treated perfs w/1000 gals of 15% HCl w/500 scf of N-2 per bbl. G & O spls are being analyzed. Began to flow back well until 12:00 a.m. All acid out of well. SIFN @ 12:00 a.m.
- 07-14-82 Crew arrived @ 7 a.m. SITP-1800 psi. This is a 400 psi incr over yesterdays SITP. RU to test unit. Initial test found 2.5 million cu. ft/day rate. After testing for 12 hrs. G prod rate stabilized @ 1.8 MMCF. Shut well in & press incr 730 psi in 3 hrs. Analyzed G spl & found 90% methane w/a BTU rating of 1033. SIFN @ 12:30 a.m.
- 07-15-82 Crew arrived @ 7 a.m. Attempted to kill well w/9 ppg brine wtr. Couldn't kill well. SIFN @ 4 p.m. & WO tbg spool & more brine wtr.

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

3  
2

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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  
Burton/Hawks, Inc.

3. ADDRESS OF OPERATOR  
P.O. Box 359 - Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1950' FWL/582' FNL (NE NW)  
At top prod. interval reported below 1734' FWL/799' FNL **NW NW**  
At total depth

14. PERMIT NO. DATE ISSUED  
API 43-043-30198 3/23/82

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD  
3/30/82 5/24/82 7/20/82 7311' GR, 7321' KB

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS  
6339' 5008' → X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE  
Basal Kelvin 4821-4927' MD yes

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED  
DIL/GR/SP, CDL/CNL, Diplog, CBL no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	608'	12 1/4"	225 SX	--
7"	26#	4976'	8 3/4"	450 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.

INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4821-28	4/ft	4821-4927	1000 gals, 15% HCl w/500 scf N <sub>2</sub> /bbl
4834-42	"		
4884-89	"		
4913-16	"		
4919-27	"		

33.\* PRODUCTION

DATE FIRST PRODUCTION: Shut-in

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Shut-in

WELL STATUS (Producing or shut-in): Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/14/82	10	20/64	→	0	794	0	---

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
895 psig	----	→	0	1700 MCF	0	----

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY  
WO pipeline hookup Rich Bulinski

35. LIST OF ATTACHMENTS  
DIL/GR/SP, CDL/CNL, Daily drilling and completion report

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

SIGNED Robert E. Wellborn TITLE Exploration Manager DATE 12-07-82  
Robert E. Wellborn

\*(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.)

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			
<b>38. GEOLOGIC MARKERS</b>			
NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Knight Echo Canyon Wanship Kelvin Jurassic Shale	Surface 1446' 2283' 3345' 4990'		

RECEIVED  
JAN 31 1983

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 12

B/H Interest: BPO-35.16%  
APO-32.8125%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

DIVISION OF  
OIL GAS & MINING

- 01-17-83 RU Western Co. & stimulated perms w/1500 gals. of 15% HCl + inhibitors (cont) & nitrogen. After 15 min of SI, flowed well back & began production test. RU Norward testing. IP rate-900 MCFPD, 6 BWP hr., 0 condensate.
- 01-18-83 SI well @ 3:30 p.m. after 24 hr. test. G production has steadily incr to 1.45 MMCFPD. This is an incr of 23 MCFPH. Wtr production has decr to .6 bph. No condensate or oil has been found. Prep to pull BP @ 4800' & production test entire well.
- 01-19-83 Crew arrived @ 6 a.m. RU 2" hard line & tried to blow well down in order to unset BP. Open flow for 10 hrs. didn't reduce flare to less than 35'. RU testers & began testing well. Concluded test @ 4:30 a.m. when G rate stabilized @ 1.602 MMCFPD. No wtr or condensate.
- 01-20-83 RU wellhead equipment to strip tbg in hole & pull BP. Couldn't unset BP. Fishing neck on BP appears to have sand or fill around it. May have to circ well in order to retrieve BP.
- 01-20-83 While trying to unset BP, backside began to flow w/O & G. O appears to (cont) have come from below BP.
- 01-21-83 Ran to top of BP w/tbg. Circ well for 3 hrs. Latched on to BP but couldn't unset. Worked for several hrs. & unset BP. POH & found equalizing valve plugged. RIH w/10 stands & SIFN @ 4:30 p.m.
- 01-22-83 Ran & set BP @ 4804'. Made several swb runs to help unload kill fluid. PU to 4606' & set pkr. Swbed well until began to blow. Flowed well all night until 7 a.m. Sunday morn. RU well testers & began testing well.
- 01-23-83 Flowed well all day through Norward testing unit. By 6 a.m. Monday morn G rate stabilized @ 1.4 MMCF. Appears as though lower zone is not flowing due to kill fluid remaining in well. Will have to unset pkr & run tbg below 4821' to swb out fluid. Will run down to 4821' on Tuesday morn. Released testers @ 7 a.m. Monday morn.
- 01-24-83 WO crew to arrive to begin flowing well.
- 01-25-83 Production test results indicate G rate @ 1.3 MMCFPD w/both perfed zones open. This rate is well below expected rate of 3.0 MMCF. At this time well is also producing 3 BWP. This is much more wtr than expected. Will attempt to clear well of wtr before next production test. Crew arrived @ 5 p.m. & open well for full flow through 64/64" ck. Well is unloading wtr & G.
- 01-26-83 Flowing well @ full rate through 64/64" ck. Well is surging & @ times blowing all wtr. Will be flowing well all night.

#28-2 Aagard  
Sec. 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 13

B/H Interest: BPO-35.16%  
APO-32.8125%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

01-27-83 Wtr returns decr greatly but well is still surging. Last of wtr was seen @ 8 p.m. G rate appears to have incr. Flowing pressure is 101 psi through 64/64" ck. No O or condensate seen since Jan. 21. Present G production calculated @ 2.869 MMCFPD.



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

*Shirazi*

RECEIVED November 3, 1983

NOV 7 1983

BURTON/HAWKS

Burton Hawks, Inc.  
P. O. Box 359  
Casper, Wyoming 82602

RECEIVED  
NOV 21 1983

RE: Well No. Aagard # 28-2  
43-043-30198  
NW NW, Sec. 28, T. 3N, R. 8E.  
Summit County, Utah

*file*

DIVISION OF  
OIL, GAS & MINING

Gentlemen:

According to our records, a "Well Completion Report" filed with this office December 7, 1982, from above referred to well, indicates the following electric logs were run: DIL-GR-SP, CDL-CNL, Diplog, CEL. As of today's date, this office has not received these logs: Diplog, CEL.

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.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

*Cari Furse*

Cari Furse  
Well Records Specialist

CF/CF

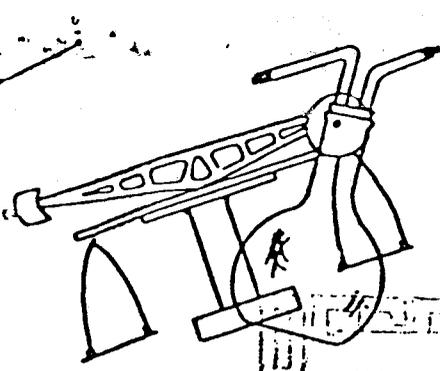
The diplog, or dipmeter log, is confidential information and is not routinely released by any companies to my knowledge. Enclosed, however, is the CBL.

R.E. Wellborn  
V.P. Exploration

#28-2 Aagard  
Sec 28 T3N R8E NE NW  
Summit County, Utah  
Elevation: 7315' GR  
Page 11

B/H Interest: BPO-35.16%  
APO-32.8125%  
Contractor: Nutech #2  
Operator: Burton/Hawks, Inc.

- 07-16-82 Crew arrived @ 7 a.m. SITP-1850 psi. Began to pump 9.5 ppg brine wtr down backside. Pumped in 150 bbls then unseated pkr @ 4806'. Cont to pump additional 40 bbls until well went dead. Began to pull tbg & lay jts down. A hydraulic valve seat broke & power tongs couldn't be used. WO parts from Casper. Will be able to repair equipment on Monday afternoon & RD by Tuesday.
- 07-17-82  
&  
07-18-82 WO parts.
- 07-19-82 WO parts.
- 07-20-82 Crew arrived @ 7 a.m. Repaired hydraulic fitting on power tong. Also repaired hydraulic line. Began to pull remainder of tbg but well had G kick. Pumped down 50 bbls of 9.5 ppg brine wtr & killed well. Pulled all tbg out of hole & installed wellhead. RD & moved to 28-1. SIFN @ 8:30 p.m.
- 
- 01-10-83 Bladed road to location.
- 01-11-83 Bladed location & MI rig. WO kill pump to arrive from Walden.
- 01-12-83 WO equipment from Walden.
- 01-13-83 Crew arrived @ 7 a.m. RU. Had 100 bbls of 10 ppg brine wtr delivered to location. BOP has arrived. Still WO equipment from Walden.
- 01-14-83 Crew arrived @ 7 a.m. Killed well w/150 bbls of 10.1 ppg brine wtr. NU annular preventor & accumulator. PU 154 jts. of 2 7/8" tbg & RIH. SIFN @ 5 p.m.
- 01-15-83 Crew arrived @ 6 a.m. Attempted to open annular preventor but couldn't. Thawed lines & preventor opened enough to run pipe. Ran & set Guiberson BP @ 4806' w/154 jts. All G zones below 4806' are now isolated. Began to POH but annular wouldn't open. New BOP arrived on location. NU & SIFN @ 7:30 p.m.
- 01-16-83 Crew arrived @ 7 a.m. RU companion flange & full lubricator. RIH w/4" csg guns. Perfed following intervals: 4680-96', 4707-18', 4726-30', 4762-72'. Fluid rise of 1000' was found after perfig from 4762-72'. Couldn't strip tbg in hole due to large amts of G. Attempted to kill well w/200 bbls of 10 ppg brine wtr. SIFN @ 5 p.m.
- 01-17-83 Crew arrived @ 5 a.m. SICP-650 psi. Flare G & blew well down in 2 hrs. RIH & set Guiberson pkr @ 4613' w/148 jts. of 2 7/8" tbg. RU swb assembly & began swbing back kill fluid prior to acid stimulation.



# Ford Chemical

LABORATORY, INC.  
Bacteriological and Chemical Analysis

40 WEST LOUISE AVENUE  
SALT LAKE CITY, UTAH 84115

PHONE 466-8761

JUN 5 1984  
BURTON/HAWKS, INC.

DATE: 05/31/84

CERTIFICATE OF ANALYSIS

DALBO, INC.  
P.O. BOX 1167  
VERNAL, UT  
84078

*Sample # 25-1  
produced water*

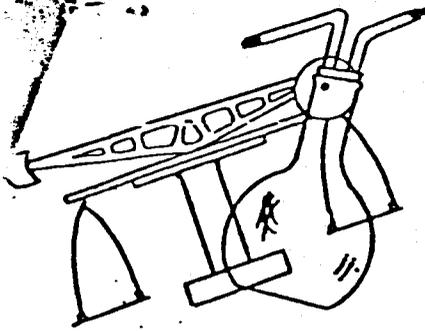
84-009305

*3N 8E Sec 28 Summit*

SAMPLE: WATER SAMPLE RECEIVED 4-13-84 FOR ANALYSIS.

### RESULTS

Aluminum, Al (Tot) mg/l SM306A	.005
Ammonia, NH3-N mg/l SM417C	.70
Arsenic, As (Tot) mg/l SM304	.095
Barium, Ba (Tot) mg/l SM303A	.20
Beryllium as Be (Tot) mg/l	.14
Boron as B Total mg/l	8.280
Cadmium, Cd (Tot) mg/l SM304	<.001
Chloride, Cl mg/l SM407A	31,550
Chromium, Cr (Tot) mg/l SM303A	.007
Cobalt as Co Tot. mg/l SM303A	<.05
Copper, Cu (Tot) mg/l SM303A	.200
Cyanide Cn tot. mg/l EPA 425.1	.060
Fluoride, F mg/l SM413B	.70



# Ford Chemical

LABORATORY, INC.  
*Bacteriological and Chemical Analysis*

40 WEST LOUISE AVENUE  
SALT LAKE CITY, UTAH 84115

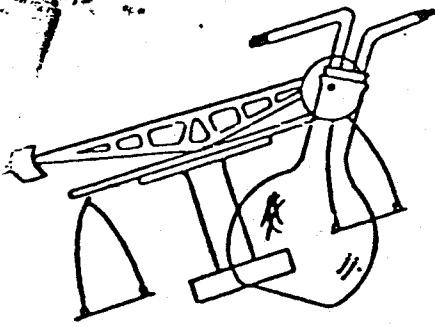
PHONE 466-8761

PAGE: 2

CERTIFICATE OF ANALYSIS  
83-009305

## RESULTS

=====	
Gross Alpha pCi/l	14.0
Iron, Fe (Tot) mg/l SM303A	20.20
Lead, Pb (Tot) mg/l SM303A	.010
Lithium as Li (Tot) mg/l	3.400
Manganese, Mn (Tot) mg/l SM303A	1.13
Mercury, Hg mg/l SM320A	<.0002
Nickel, Ni (Tot) mg/l SM249.2	.01
Nitrate, NO <sub>3</sub> -N mg/l SM418C	1.17
Nitrite as NO <sub>2</sub> -N mg/l	.34
Oil and Grease mg/l SM503C	7.6
Phenol PPM SM510B	1.141
Radium 226 pCi/l	8.30
Radium 228 pCi/l	10.00
Residual Sodium Carbonate	
Selenium, Se Tot. mg/l SM304	<.001
Silver, Ag (Tot) mg/l SM303A	.0150
Sodium Absorption Ratio	



*Ford Chemical*

LABORATORY, INC.

*Bacteriological and Chemical Analysis*

40 WEST LOUISE AVENUE  
SALT LAKE CITY, UTAH 84115

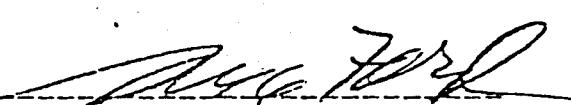
PHONE 466-8761

PAGE: 3

CERTIFICATE OF ANALYSIS  
83-009305

RESULTS

Strontium as Sr 90 mg/l	<.001
Sulfate, SO4 mg/l SM426D	2,130
Total Dis. Solids mg/l SM209B	52,620
Uranium as U mg/l	<.01
Zinc, Zn (Tot) mg/l SM303A	.07
PH Units SM423	6.30

  
FORD CHEMICAL LABORATORY, INC.

**STATE OF UTAH**  
**DIVISION OF OIL, GAS, AND MINING**  
**ROOM 4241 STATE OFFICE BUILDING**  
**SALT LAKE CITY, UTAH 84114**  
**(801) 533-5771**  
**(RULE I-5)**

FORM NO. DOGM-UIC-1

**IN THE MATTER OF THE APPLICATION OF**  
Burton/Hawks, Inc.  
**ADDRESS** P.O. Box 359  
Casper, Wyoming **ZIP** 82602  
**INDIVIDUAL** PARTNERSHIP **CORPORATION**   
**FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR**  
**INJECT FLUID INTO THE** Agard #28-2 **WELL**  
**SEC.** 28 **TWP.** 3N **RANGE** 8E  
Summit **COUNTY, UTAH**

**CAUSE NO.** \_\_\_\_\_

<b>ENHANCED RECOVERY INJ. WELL</b>	<input type="checkbox"/>
<b>DISPOSAL WELL</b>	<input checked="" type="checkbox"/>

**APPLICATION**

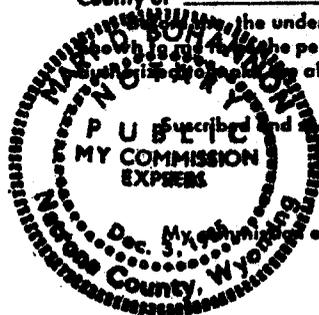
Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery injections or disposal operations.
2. That the applicant submits the following information.

Lease Name <u>Agard</u>	Well No. <u>28-2</u>	Field <u>Agard Ranch</u>	County <u>Summit</u>
Location of Enhanced Recovery Injection or Disposal Well <u>1950' FWL/582' FNL</u> Sec. <u>28</u> Twp. <u>3N</u> Rge. <u>8E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input type="checkbox"/>	Casing Test <u>scheduled</u> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>April, '85</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>3345'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>Gas</u>
Location of Injection Source(s) <u>820' FWL/500' FNL</u> Sec. <u>28</u> T3N R8E <u>Summit Co.</u>		Geologic Name(s) and Depth of Source(s) <u>Kelvin fm. 5954-6160'</u>	
Geologic Name of Injection Zone <u>Kelvin</u>		Depth of Injection Interval <u>4680'</u> to <u>4927'</u>	
a. Top of the Perforated Interval: <u>4680'</u>	b. Base of Fresh Water: <u>3345'</u>	c. Intervening Thickness (a minus b) <u>1335'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <u>YES</u> NO			
Lithology of Intervening Zones <u>Siltstone, Shale, Sandstones</u>			
Injection Rates and Pressures Maximum _____ <u>400</u> B/D _____ <u>150</u> PSI			
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent <u>Mr. Welby Agard</u> <u>2777 Willshire Drive</u> <u>Salt Lake City, UT 84128</u>			

State of Wyoming  
 County of Natrona

*Steve Richardson*  
 Applicant



I, the undersigned authority, on this day personally appeared Steve Richardson  
 the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly sworn to the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Subscribed and sworn to before me this 11 day of March, 1985

*Mary R. Bohannon*  
 Notary Public in and for Natrona County

My Commission Expires 12/03/85

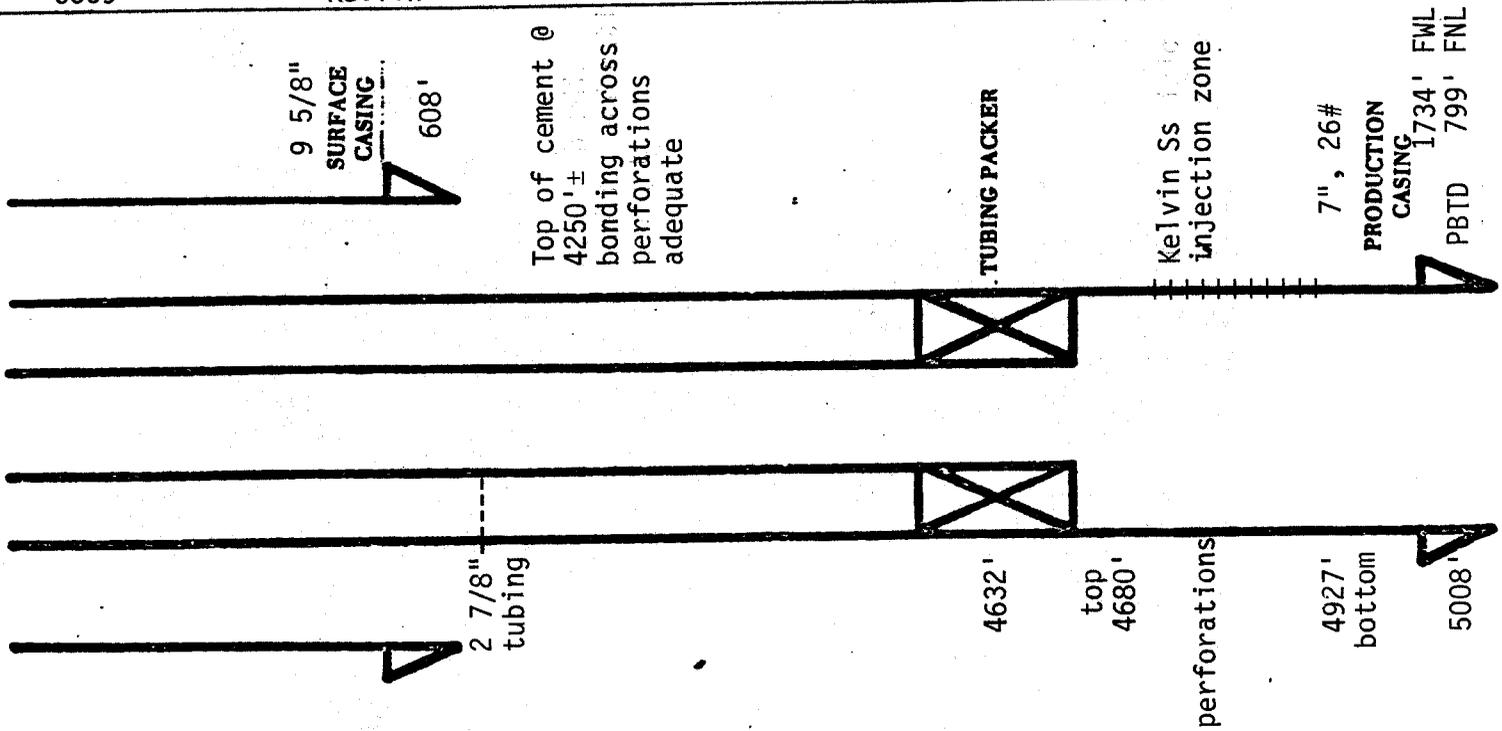
(OVER)

1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within 1/2 mile, together and with name of operator.
4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
5. Attach Electric or Radioactivity Log of Subject well (if released).
6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.
8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within 1/2 mile of injection well.
9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.
10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.
11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.
12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

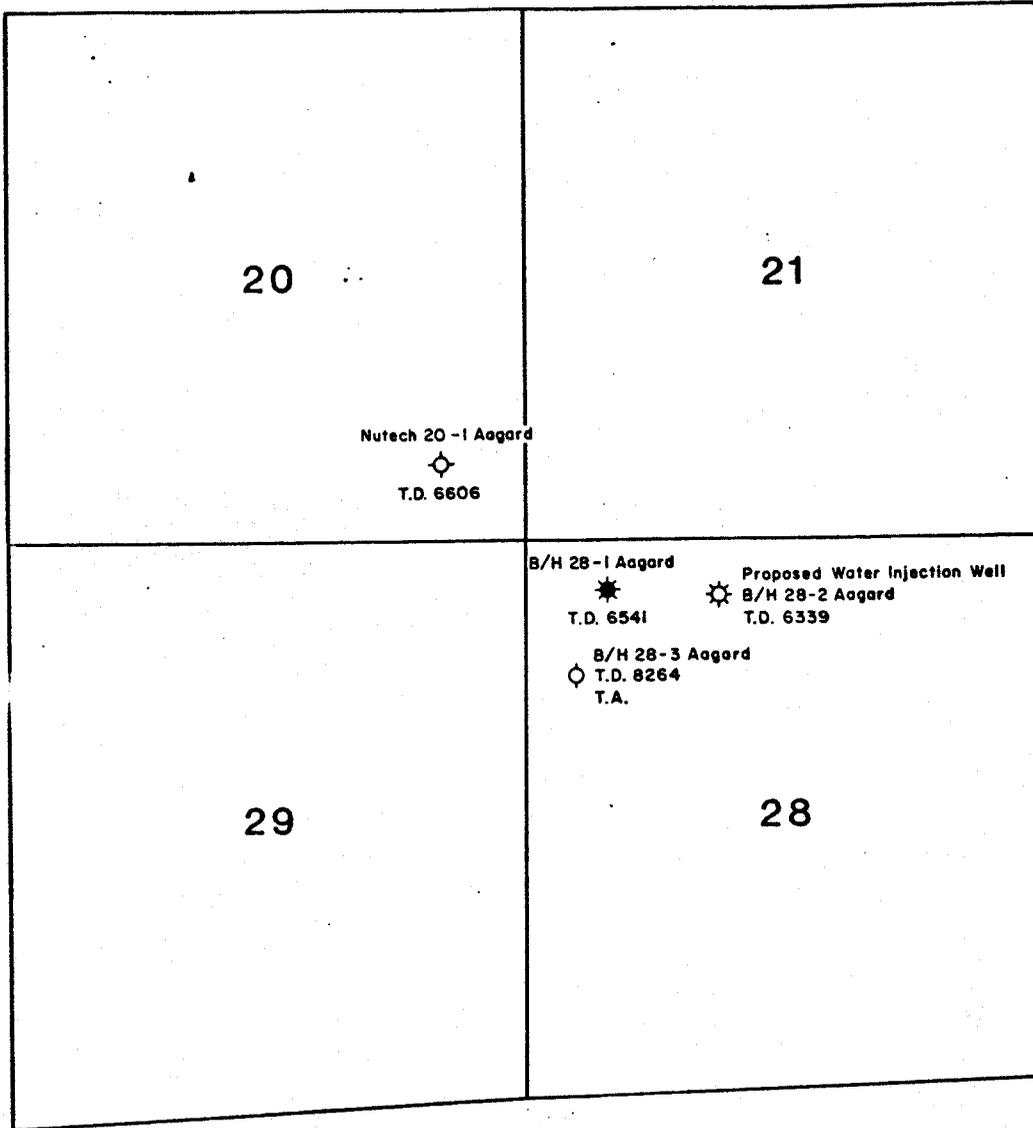
CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	9 5/8"	608'	225	surface	observed returns
Intermediate					
Production	7"	5016'	450	4250'	Cement bond log 7/8/82
Tubing	2 7/8"	4632'	Name - Type - Depth of Tubing Packer Baker AD-1 @ 4632'		
<b>Total Depth</b> 6339'	<b>Geologic Name - Inj. Zone</b> Kelvin	<b>Depth - Top of Inj. Interval</b> 4680'	<b>Depth - Base of Inj. Interval</b> 4927'		

SKETCH - SUB-SURFACE FACILITY

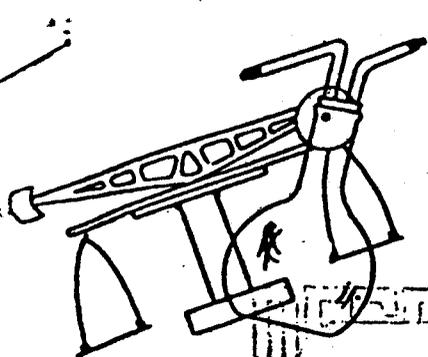


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 **BURTON/HAWKS, INC.**  
**AAGARD RANCH FIELD**  
SUMMIT COUNTY, UTAH  
Scale: 1"=2000'



# Ford Chemical

## LABORATORY, INC.

Bacteriological and Chemical Analysis

40 WEST LOUISE AVENUE  
SALT LAKE CITY, UTAH 84115  
PHONE 466-8761

JUN 6 1984  
BURTON/HAWKS, INC.

DALBO, INC.  
P.O. BOX 1167  
VERNAL, UT  
84078

*Sample # 28-1  
produced water*

DATE: 05/31/84

CERTIFICATE OF ANALYSIS

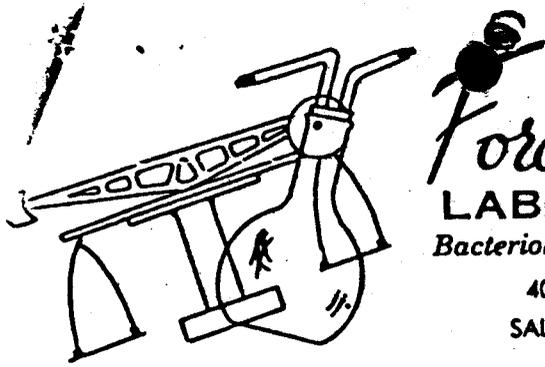
84-009305

SAMPLE: WATER SAMPLE RECEIVED 4-13-84 FOR ANALYSIS.

### RESULTS

Aluminum, Al (Tot) ms/l SM306A	.005
Ammonia, NH <sub>3</sub> -N ms/l SM417C	.70
Arsenic, As (Tot) ms/l SM304	.095
Barium, Ba (Tot) ms/l SM303A	.20
Beryllium as Be (Tot) ms/l	.14
Boron as B Total ms/l	8.280
Cadmium, Cd (Tot) ms/l SM304	<.001
Chloride, Cl ms/l SM407A	31.550
Chromium, Cr (Tot) ms/l SM303A	.007
Cobalt as Co Tot. ms/l SM303A	<.05
Copper, Cu (Tot) ms/l SM303A	.200
Cyanide Cn tot. ms/l EPA 425.1	.060
Fluoride, F ms/l SM413B	.70

All reports are submitted as the confidential property of clients. Authorization for publication of our reports, conclusions, or extracts from or regarding them, is reserved pending our written approval as a mutual protection to clients, the public and ourselves.



**Ford Chemical**  
**LABORATORY, INC.**  
*Bacteriological and Chemical Analysis*

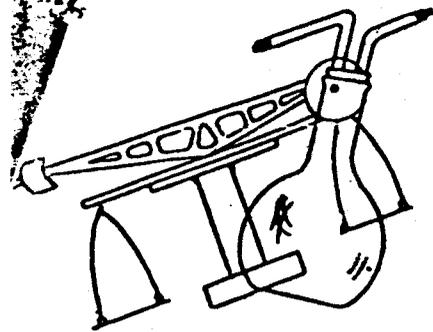
40 WEST LOUISE AVENUE  
SALT LAKE CITY, UTAH 84115  
PHONE 466-8761

PAGE: 2

CERTIFICATE OF ANALYSIS  
83-009305

RESULTS

Gross Alpha pCi/l	14.0
Iron, Fe (Tot) mg/l SM303A	20.20
Lead, Pb (Tot) mg/l SM303A	.010
Lithium as Li (Tot) mg/l	3.400
Manganese, Mn (Tot) mg/l SM303A	1.13
Mercury, Hg mg/l SM320A	<.0002
Nickel, Ni (Tot) mg/l SM249.2	.01
Nitrate, NO <sub>3</sub> -N mg/l SM418C	1.17
Nitrite as NO <sub>2</sub> -N mg/l	.34
Oil and Grease mg/l SM503C	7.6
Phenol ppm SM510B	1.141
Radium 226 pCi/l	8.30
Radium 228 pCi/l	10.00
Residual Sodium Carbonate	
Selenium, Se Tot. mg/l SM304	<.001
Silver, Ag (Tot) mg/l SM303A	.0150
Sodium Absorption Ratio	



# Ford Chemical

LABORATORY, INC.

Bacteriological and Chemical Analysis

40 WEST LOUISE AVENUE  
SALT LAKE CITY, UTAH 84115

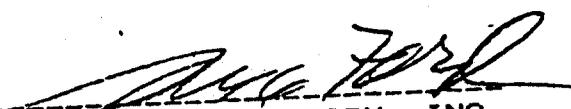
PHONE 466-8761

PAGE: 3

CERTIFICATE OF ANALYSIS  
83-009305

## RESULTS

Strontium as Sr 90 ms/l	<.001
Sulfate, SO4 ms/l SM426D	2.130
Total Dis. Solids ms/l SM209B	52.620
Uranium as U ms/l	<.01
Zinc, Zn (Tot) ms/l SM303A	.07
pH Units SM423	6.30

  
FORD CHEMICAL LABORATORY, INC.

CLASS II FILE NOTATIONS

\*\*\*\*\*

DATE FILED: 3/15/85 OPERATOR: Burton-Hawks WELL NO. 28-2

Sec. 28 T. 3N R. 8E QRT/QRT: \_\_\_\_\_ COUNTY: Summit

New Well? \_\_\_\_\_ Conversion? \_\_\_\_\_ Disposal X Enhanced Recovery \_\_\_\_\_

\*\*\*\*\*

SURETY/Bond? ✓ Card Indexed? \_\_\_\_\_ API Number: 43-043-30198

APPLICATION FILE COMPLETION

Completed Form DGM-UIC-1? ✓

Plat identifying location and total depth of the following, Rule I-5(b)(1):

Surface Owner(s): ✓ Operators: ✓ water well(s) ✓, abandoned well(s) ✓, producing wells or drilling well(s) ✓, dry holes ✓.

Completed Rule I-5(b)(2)? ✓, (i) logs on file, (ii) CBL provided

Schematic diagram of Well: ID: 5008, PBID: 5008, Depth of Inj/Disp interval: 4680-4927', geologic name of inj/dis interval Kelvin 35, Casing and cement: top 4250', bottom \_\_\_\_\_, Size of: casing 7 1/8-7, tubing 2 1/8, depth of packer: 4632'

Assessment of existing cement bond: none above 4810'  
Location of Bottomhole: \_\_\_\_\_ MAXIMUM INJECTION RATE: 400 BPD  
MAXIMUM SURFACE INJECTION PRESSURE: 150 psig

Proposed Operating Data:

Procedure for controlling injection rates and pressures: observation  
Geologic name: Kelvin, depth, 6000', location of injection fluid source. Analysis of water to be injected ~63,000 tds, water of injection formation ~53,000 tds., EXEMPTION REQUIRED? no

Injection zone and confining zone data: lithologic description Siltst. Sh. SS, geologic name Agassiz shale, thickness ~200', depth \_\_\_\_\_, lateral extent \_\_\_\_\_

USDW's that may be affected by injection: geologic name none, lateral extent \_\_\_\_\_, depth to the top and bottom of all known USDW's \_\_\_\_\_

Contingency plans? haul water

Results of formation testing? \_\_\_\_\_  
Description of mechanical integrity test \_\_\_\_\_, injection procedure \_\_\_\_\_

\*\*\*\*\*

CHECKED BY: UIC ADMINISTRATOR: \_\_\_\_\_

UIC GEOLOGIST: Reviewed conditional approval - press. test, monitor annulus, Run Annual R/A, Thru Survey

Application Complete? ✓ Notice Published \_\_\_\_\_, Date: 1/1  
DIRECTOR: Approved? \_\_\_\_\_, approval letter sent \_\_\_\_\_, Requires hearing \_\_\_\_\_

**RECEIVED****MAR 15 1985****DIVISION OF OIL  
GAS & MINING**

First Interstate Building  
P.O. Box 359  
Casper, Wyoming 82602  
307/234-1593

March 11, 1985

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

RE: Application for saltwater disposal in Aagard #28-2

Dear Mr. Hunt:

We propose to convert the captioned well for saltwater disposal use by installing a packer directly above the existing Kelvin sandstone perforations. The enclosed application is being sent prior to this work to speed up the process. We intend to test the tubing/casing annulus to 300 psig surface pressure after the packer is set; you will be informed as soon as the date is known.

Source of the water to be injected is the Kelvin formation in the Aagard #28-1 oil well. This well is just 1/4 mile from the proposed injection well, but pressure behavior indicates that there is no communication between the two reservoirs. In fact, the gas-bearing zone perforated in the Aagard #28-2 ceased to produce in September, 1984, due to a decline in reservoir pressure.

A temperature-tracer log was run in the #28-2 well recently to determine if all perforations were open. During this survey produced water from the #28-1 well was pumped down the tubing/casing annulus (tubing is hung open-ended at this time). Almost 200 bbls. were pumped into the well over a 6 hour period with surface pressures ranging from 0 psig to 145 psig.

The #28-1 is producing approximately 45 BWPD and costs us \$3.15 per barrel of oil produced to dispose of it. The water is stored in a 400 bbl. upright tank. Since the #28-2 still builds up some gas pressure when it is shut in but will take water on a vacuum, we plan to blow the well down once a week (less than 30 minutes required) and gravity feed the accumulated water into the tubing through the existing flowline. An oil recirculation pump can be used if any pressure is required for injection.

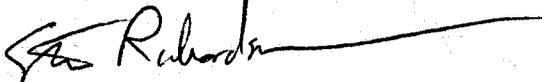
State of Utah  
Division of Oil, Gas & Mining  
March 11, 1985  
Page 2

No fresh water analysis is enclosed because we are not aware of any water wells within a mile of the Agard #28-2

Your prompt attention to our application will be appreciated; this alternative will allow more oil to be produced from the Agard #28-1 well by significantly cutting operating expenses.

Sincerely,

BURTON/HAWKS, INC.

A handwritten signature in black ink, appearing to read "Steve Richardson", with a long horizontal flourish extending to the right.

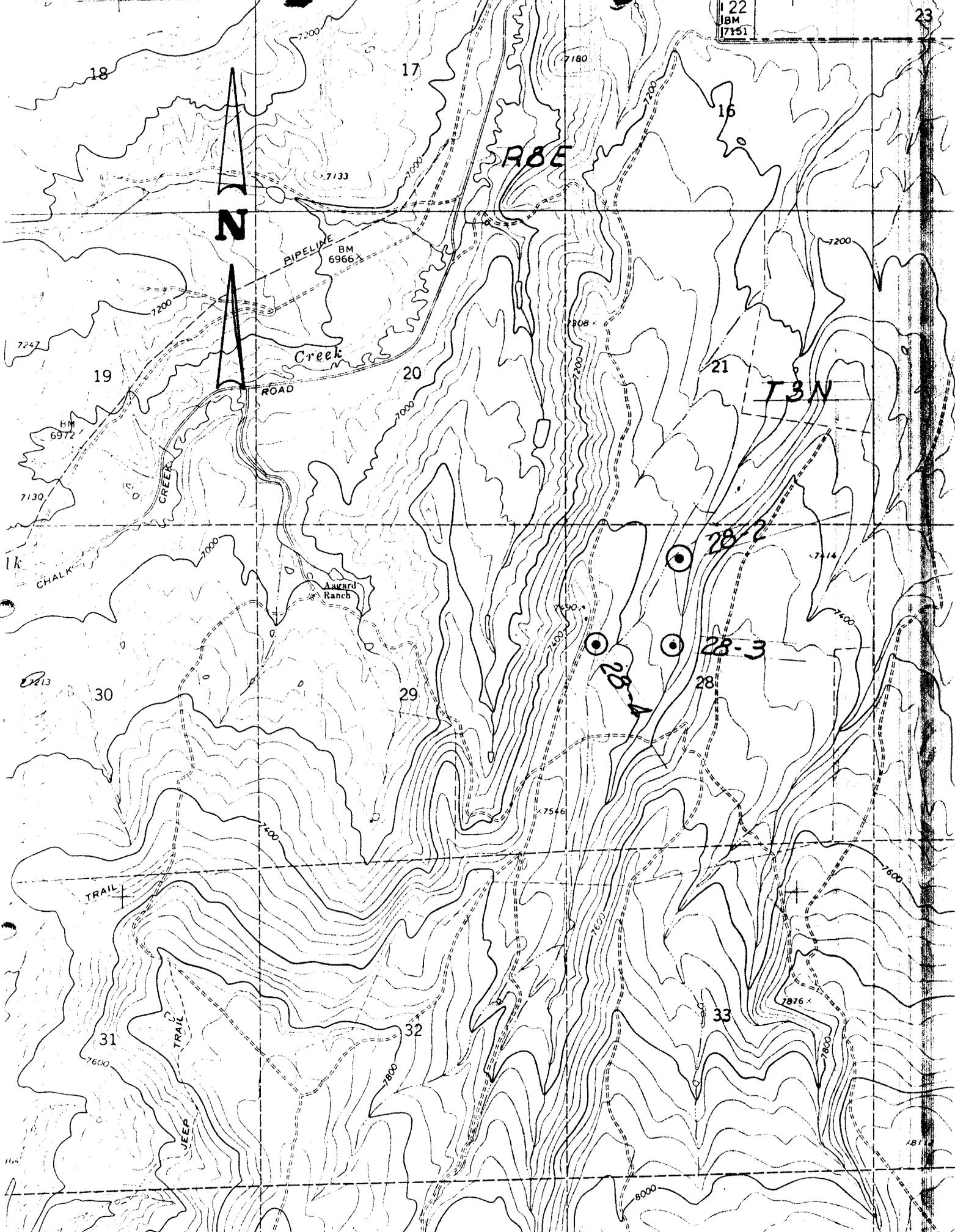
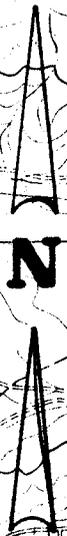
Steve Richardson  
Engineer

SR/sg

Enclosure

cc: Welby Agard

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17151



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31

32

33

R8E

T3N

28-2

28-3

28-4

PIPELINE ROAD

Creek

Asgard Ranch

CHALK CREEK

JEEP TRAIL

TRAIL

7133

7180

7200

7247

7130

7414

7400

7490

7546

7600

7800

7876

8000

BM 6972

BM 6966

23

181

## Questions for Steve Richardson

- ~~could put necessary water away through existing perfs or at least stay before existing top perfs. Give it an acid job~~
- CBL is poor above 4810', no formation signal.
- #28-1 produces 45 BWPD
- ~~Trace~~ shows possible channeling above 4721' and other zones below.



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 19, 1985

Burton/Hawks, Incorporated  
First Interstate Building  
P.O. Box 359  
Casper, Wyoming 82602

Attn: Steve Richardson

Dear Mr. Richardson:

RE: Application for Injection, Aagard #28-2, Township 3 North, Range 8 East, Section 28, Summit County, Utah

Your application for conversion of the above referenced well to a saltwater disposal well has been reviewed pursuant to Rule I-5. Please provide the following to complete the application.

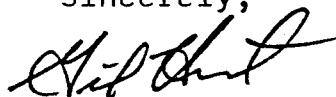
- 1) Names and addresses of any leaseholders within one-half (1/2) mile radius of the proposed injection well.
- 2) Geological information on the confining and injection zones including lithology, thickness and lateral extent. Also, any information which might help define the volume and boundaries of the reservoir to receive the fluid.
- 3) Analysis of water in the proposed injection formation or logs and calculation showing  $R_w$  of the water. The logs on file with the Division are unreadable through the injection interval.
- 4) Data supporting the statement that there is no communication between the #28-2 and #28-1 reservoirs. Could there be a mechanical problem?

Page 2  
Burton/Hawks, Incorporated  
March 19, 1985

- 5) Results of the temperature-tracer log run in the #28-2 well.
- 6) A cement bond log for the proposed injection well.
- 7) Methods and/or equipment to be used to measure injection pressure (if any) and rate.

If you have any questions, please call.

Sincerely,



Gil Hunt  
UIC Geologist

mfp  
0128A





UIC-061

Publication was sent to the following:

Newspaper Agency  
Park Record

Mr. Welby AAgard  
2777 Willshire Drive  
Salt Lake City, Utah 84128

Health Department

Burton/Hawks

Bureau of Land Management

U.S. Environmental Protection Agency

RECEIVED

MAR 29 1985

DIVISION OF OIL  
GAS & MINING

March 27, 1985

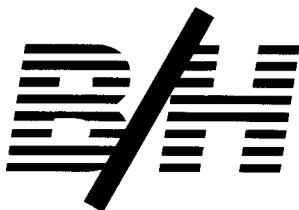
Gil Hunt  
Utah Division of Oil, Gas and Mining  
355 W. North Temple, Suite 350  
Salt Lake City, UT 84180-1203

RE: Application for Injection, Aagard #28-2  
T3N R8E Sec. 28, Summit County, Utah

Dear Mr. Hunt:

The information you requested to complete our application is enclosed. Interpretation and/or explanation of the data is offered below.

- 1) Welby Aagard  
2777 Willshire Dr.  
Salt Lake City, UT 84128  
Champlin Petroleum  
P.O. Box 1257  
Englewood, CO 80150
- 2) The Kelvin sandstone intervals open to injection have a combined thickness of over 70 feet. Estimated areal extent is approximately 20 acres, but low cumulative gas production (50 MMCF) indicates an even smaller reservoir. Rates and volumes of water to be injected are so small that repressuring of the 28-2 should not be a problem for the remaining economic life of the Aagard #28-1 oil well.
- 3) Sample was taken at the separator when the 28-2 was producing 150 MCFD and perhaps 1 BWPD average. Composition of this water is very similar to that of the 28-1.
- 4) Pressure information obtained in August, 1984 confirmed Bob Wellborn's revised (March, 1984) interpretation showing separation of the producing zones in the Aagard wells. The subsurface survey conducted at the 28-2 by Cable, Inc. told us that no fluid was standing in the tubing, so we could rely on surface shut-in



Burton/Hawks, Inc.  
735 First Interstate Building  
Post Office Box 359  
Casper, Wyoming 82602  
(307)234-1593

pressures. In the 5 days that we had both wells shut-in, the 28-1 reached a BHP of 1450 psig while the 28-2 only built up to about 850 psig in the reservoir.

- 5) The temperature-tracer survey was run to determine if all zones perforated had been depleted. We concluded from the information obtained that the bottom three sets of perforations were in "tight" zones but all other intervals had indeed produced and that no further treatment or evaluation would be justifiable from an economic standpoint.
- 6) Sorry the CBL wasn't submitted earlier. Bonding immediately above the top set of perforation is questionable but since we did not run the log under pressure (possibility of a micro-annulus), since we do not anticipate significant injection pressures and since there is enough good bonding within 200' of this point to prevent migration of injected fluids into fresh water sands, this should not be a point of concern.
- 7) There is a pressure gauge on the tree cap and we will gauge the water storage tank by hand before and after injection. We do not intend to inject continuously.

Please let me know if there is anything further you require.

Sincerely,

BURTON/HAWKS, INC.



Steve Richardson  
Engineer

SR/sg

Enclosure



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 8, 1985

Burton/Hawks, Inc.  
735 First Interstate Building  
Post Office Box 359  
Casper, Wyoming 82602

Attention: Steve Richardson

Dear Mr. Richardson:

Re: Application for Injection, Aagard #28-2, T 3N, R 8E, Sec. 28,  
Summit County, Utah.

Your application for conversion of the above referenced well to a saltwater disposal well has been found complete. Publication and proper notice will be given and providing no objections are filed the conversion will be approved with the following stipulations.

- (1) A radioactive-tracer survey shall be run on the well at least annually to help detect any upward migration of fluid outside the casing.
- (2) The casing-tubing annulus shall be pressure tested before injection commences and monitored daily while injection to detect pressure buildup due to leakage.

If you have questions, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
UIC Geologist

jmc  
8041S



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 9, 1985

Newspaper Agency  
Legal Advertizing  
Mezzanine Floor  
143 South Main Street  
Salt Lake City, Utah 84111

Gentlemen:

RE: Cause No. UIC-061

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 17th day of April. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340 Ex. 5296.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Very truly yours,  
DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Marjorie L. Anderson".

MARJORIE L. ANDERSON  
Administrative Assistant

mfp  
0045A



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 9, 1985

Park Record  
Legal Advertizing  
Park City, Utah 84060

Gentlemen:

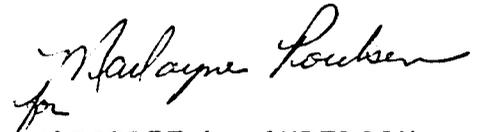
RE: Cause No. UIC-061

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 17th day of April. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340 Ex. 5296.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Very truly yours,  
DIVISION OF OIL, GAS AND MINING

  
MARJORIE L. ANDERSON  
Administrative Assistant

mfp  
0045A

DIVISION OF OIL, GAS AND MINING  
INJECTION WELL INSPECTION REPORT

DATE OF INSPECTION: 4/18/85 TIME: \_\_\_\_\_

WELL NAME: Hayward Ranch 28-2 OPERATOR: Burton/Hawks

LEGAL DESCRIPTION: Sec. 28 T. 3N R. 8E COUNTY: Summit

DISPOSAL WELL  ENHANCED RECOVERY WELL \_\_\_\_\_ OTHER \_\_\_\_\_

INJECTION PRESSURE TP=375 casing=580 @ well

PRESSURE CHART READING NA ACCUMULATOR NA

INJECTION RATE NA

REMARKS: well has not yet been recompleted as a disposal well, producing gas @ visit. well has no fracture at present time.

[Signature]  
Inspector

CHECKLIST FOR INJECTION WELL APPLICATION

UIC Forms

✓

Plat

✓

Surface Owners and Lease Holders?

Surrounding lease holders

Schematic Diagram

✓

Frac Gradient Information

Low Frac. Press.

Pressure and Rate Control

Fluid Source

✓

Analysis of Injected Fluid

✓

Geologic Information

None?

USDW in the Area

?

Analysis of Injected Formation

No

Contingency Plans

no - Haul?

Mechanical Integrity Test

✓

Aquifer Exemption

?

No conn. w/ #28-1?

CSL?

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

---oo0oo---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-061  
OF BURTON/HAWKS, INC., FOR :  
ADMINISTRATIVE APPROVAL OF THE :  
AAGARD #28-2 WELL, LOCATED :  
IN SECTION 28, TOWNSHIP 3 NORTH, :  
RANGE 8 EAST, SUMMIT COUNTY, :  
UTAH, AS A CLASS II SALTWATER :  
DISPOSAL WELL. :

---oo0oo---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED  
MATTER.

Notice is hereby given that Burton/Hawks, Incorporated, P.O. Box  
359, Casper, Wyoming 82602 has requested administrative approval of  
Aagard #28-2 well, located 1950' FWL and 582' FNL (NENW) of Section  
28, Township 3 North, Range 8 East, Summit County, Utah as a Class II  
saltwater disposal well.

The proposed operating data for the well is as follows:

Injection Interval: Kelvin Formation 4680' to 4927'  
Maximum Estimated Surface Pressure: 150 psig  
Maximum Estimated Water Injection Rate: 400 BWPD

Administrative approval of this application will be granted unless  
objections are filed with the Division of Oil, Gas and Mining within  
fifteen days after publication of this Notice. Objections, if any,  
should be mailed to the Division of Oil, Gas and Mining, Attention:  
UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350,  
Salt Lake City, Utah 84180-1203.

DATED this 10th day of April, 1985.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
MARJORIE L. ANDERSON  
Administrative Assistant

# Affidavit of Publication

ADM-358

STATE OF UTAH,  
County of Salt Lake

ss.

RECEIVED

APR 30 1985

Cheryl Gierloff

DIVISION OF OIL  
GAS & MINING

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH CAUSE NO. UIC-061

IN THE MATTER OF THE APPLICATION OF BURTON/HAWKS, INC. FOR ADMINISTRATIVE APPROVAL OF THE AAGARD #28-2 WELL, LOCATED IN SECTION 28, TOWNSHIP 3 NORTH, RANGE 8 EAST, SUMMIT COUNTY, UTAH, AS A CLASS II SALTWATER DISPOSAL WELL.

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that Burton/Hawks, Incorporated, P.O. Box 359, Casper, Wyoming 82602 has requested administrative approval of Aagard #28-2 well, located 1950' FWL and 582' FNL (NENW) of Section 28, Township 3 North, Range 8 East, Summit County, Utah as a Class II saltwater disposal well. The proposed operating data for the well is as follows:

Injection Interval: Kelvin Formation 4680' to 4927'  
Maximum Estimated Surface Pressure: 150 psig  
Maximum Estimated Water Injection Rate: 400 BWPD

Administrative approval of this application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 10th day of April, 1985.

STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING  
MARJORIE L. ANDERSON  
Administrative Assistant

B-9

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

Cause No. UIC-061 Application of Burton/Hawks..

Inc.

was published in said newspaper on

April 18, 1985

*Cheryl Gierloff*  
Legal Advertising Clerk

Subscribed and sworn to before me this 26th day of April A.D. 1985

*[Signature]*  
Notary Public

My Commission Expires

March 1, 1988



# Affidavit of Publication

ADM-35B

STATE OF UTAH,  
County of Salt Lake

SS.

Cheryl Gierloff

BEFORE THE DIVISION OF  
OIL, GAS AND MINING  
DEPARTMENT OF  
NATURAL RESOURCES  
STATE OF UTAH  
CAUSE NO. UIC-061

IN THE MATTER OF THE AP-  
PLICATION OF BURTON-  
/HAWKS, INC. FOR ADMINIS-  
TRATIVE APPROVAL OF THE  
AAGARD #28-2 WELL, LO-  
CATED IN SECTION 28, TOWN-  
SHIP 3 NORTH, RANGE 8  
EAST, SUMMIT COUNTY,  
UTAH, AS A CLASS II SALTWA-  
TER DISPOSAL WELL.

THE STATE OF UTAH TO  
ALL INTERESTED PARTIES IN  
THE ABOVE ENTITLED MAT-  
TER.

Notice is hereby given that  
Burton/Hawks, Incorporated,  
P.O. Box 359, Casper, Wyoming  
82602 has requested adminis-  
trative approval of Aagard #28-  
2 well, located 1950' FWL and  
582' FNL (NENW) of Section 28,  
Township 3 North, Range 8  
East, Summit County, Utah as a  
Class II saltwater disposal well.

The proposed operating data  
for the well is as follows:

Injection Interval:  
Kelvin Formation 4680' to 4927'  
Maximum Estimated Surface  
Pressure: 150 psig  
Maximum Estimated Water  
Injection Rate: 400 BWPD

Administrative approval of  
this application will be granted  
unless objections are filed with  
the Division of Oil, Gas and Min-  
ing within fifteen days after  
publication of this Notice. Ob-  
jections, if any, should be  
mailed to the Division of Oil,  
Gas and Mining, Attention: UIC  
Program Manager, 355 West  
North Temple, 3 Triad Center,  
Suite 350, Salt Lake City, Utah  
84180-1203.

DATED this 10th day of April,  
1985.

STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING  
MARJORIE L. ANDERSON  
Administrative Assistant

B-9

Being first duly sworn, deposes and says that he/she is  
legal advertising clerk of THE SALT LAKE TRIBUNE,  
a daily newspaper printed in the English language with  
general circulation in Utah, and published in Salt Lake  
City, Salt Lake County, in the State of Utah, and of the  
DESERET NEWS, a daily newspaper printed in the  
English language with general circulation in Utah, and  
published in Salt Lake City, Salt Lake County, in the  
State of Utah.

That the legal notice of which a copy is attached hereto

Cause No. UIC-061 Application of Burton/Hawks,

Inc.

was published in said newspaper on

April 18, 1985

Cheryl Gierloff  
Legal Advertising Clerk

Subscribed and sworn to before me this 26th day of

April A.D. 1985

[Signature]

Notary Public

My Commission Expires

March 1, 1988



# PROOF OF PUBLICATION



STATE OF UTAH, }  
County of Summit, } ss.

RECEIVED

APR 30 1985

DIVISION OF OIL  
GAS & MINING

I, Mary Balliette

being first duly sworn, depose and say that I am the \_\_\_\_\_

Receptionist of The Park Record, a week-

ly newspaper of general circulation, published once each week at

Park City, Utah, that the notice attached hereto and which is a

Cause No. UIC-061

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

was published in said newspaper for one con-

secutive issues, the first publication having been made on the

18th day of April, 1985, and the last

on the 18th day of April, 1985, that said

notice was published in the regular and entire issue of every number

of the paper during the period and times of publication, and the same

was published in the newspaper proper and not in any supplement.

Mary Balliette

Subscribed and sworn to before me this 26 day of

April, 1985.

Susan Davis  
Notary Public

My commission expires October 17th, 1987.

**LEGAL NOTICE**  
BEFORE THE DIVISION OF OIL, GAS  
AND MINING  
DEPARTMENT OF NATURAL  
RESOURCES  
STATE OF UTAH  
CAUSE NO. UIC-061

IN THE MATTER OF THE  
APPLICATION OF BURTON/HAWKS,  
INC., FOR ADMINISTRATIVE  
APPROVAL OF THE AAGARD #28-2  
WELL, LOCATED IN SECTION 28,  
TOWNSHIP 3 NORTH, RANGE 8  
EAST, SUMMIT COUNTY, UTAH, AS  
A CLASS II SALTWATER DISPOSAL  
WELL.

THE STATE OF UTAH TO ALL  
INTERESTED PARTIES IN THE  
ABOVE ENTITLED MATTER.

Notice is hereby given that  
**Burton/Hawks, Incorporated, P.O.  
Box 350, Casper, Wyoming 82602** has  
requested administrative approval of

Aagard #28-2 well, located 1950' FWL  
and 582' FNL (MEWA) of Section 28,  
Township 3 North, Range 8 East,  
Summit County, Utah as a Class II  
saltwater disposal well.

The proposed operating data for  
the well is as follows:

Injection Interval: Kelvin Formation  
4680' to 4927' Maximum Estimated  
Surface Pressure: 150 psig. Maximum  
Estimated Water Injection Rate: 400  
BWPD

Administrative approval of this  
application will be granted unless  
objections are filed with the Division  
of Oil, Gas and Mining within fifteen  
days after publication of this Notice.  
Objections, if any, should be mailed  
to the Division of Oil, Gas and Mining,  
Attention: UIC Program Manager, 355  
West North Temple, 3 Triad Center,  
Suite 350, Salt Lake City, Utah 84180-  
1203.

DATED this 10th day of April, 1985.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
Marjorie L. Anderson

Administrative Assistant  
Published in the Park Record on  
April 18, 1985.



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 3, 1985

Burton/Hawks, Incorporated  
P.O. Box 359  
Casper, Wyoming 82602

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-061

Administrative approval is hereby granted to convert the following listed well to a Class II saltwater disposal well:

Aagard #28-2  
Section 28, Township 3 North, Range 8 East  
Summit County, Utah

This approval is conditional upon full compliance with the UIC Rules adopted by the Board of Oil, Gas and Mining, and construction and operation of the well as outlined in the application submitted including the following stipulations:

- 1) A radioactive-tracer survey shall be run on the well at least annually following commencement of injection.
- 2) The casing-tubing annulus shall be pressure tested to a minimum of 300 psig surface pressure prior to commencement of injection and monitored daily during actual injection thereafter.

If you have any questions concerning this matter, please do not hesitate to call or write.

Best regards,

Dianne R. Nielson  
Director

mfp  
7627U



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 24, 1986

Burton Hawks, Incorporated  
P.O. Box 359  
Casper, Wyoming 82602

Gentlemen:

RE: Aagard #28-2, Sec. 28, Township 3 North, Range 8 East, Summit  
County, Utah

According to our records the above referenced well was approved for injection. We have not received a notice advising us that the this well has commenced injection. In order to update our records, we respectfully request information indicating the status of the afore mentioned well.

Thank you in advance for your cooperation. If you have any questions please don't hesitate to call or write.

Sincerely,

A handwritten signature in cursive script that reads "Marlayne Poulsen".

Marlayne Poulsen  
UIC Secretary

mfp  
0012-U

# BURTON/HAWKS

RECEIVED  
APR 03 1986

DIVISION OF  
OIL, GAS & MINING

April 1, 1986

Marlayne Poulsen, UIC Secretary  
Utah Division of Oil, Gas and Mining  
355 W. North Temple, Suite 350  
Salt Lake City, UT 84180

RE: Aagard #28-2, Sec. 28, T3N R8E, Summit County, Utah

Dear Ms. Poulsen:

The captioned well was put into saltwater disposal service in May 1985. We have been filing the required monthly produced water disposal report ever since. I am not aware of any further requirements. It may help you trace these reports to know that:

- 1) It appears the API number has been reported incorrectly as 43-043-30181 (same as the producing well - Aagard #28-1). It should be 43-043-30198.
- 2) The forms we use have a different address (Room 424|State Office Bldg. Salt Lake City, UT 84114) and may have ended up in the wrong place.

If you can't find these reports and/or if you need anything else, please let me know.

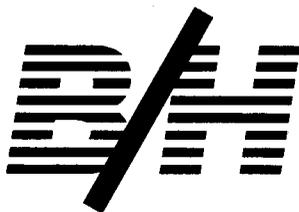
Sincerely,

BURTON/HAWKS, INC.



Steve Richardson  
Engineer

SR/tc



Burton/Hawks, Inc.  
735 First Interstate Building  
Post Office Box 359  
Casper, Wyoming 82602  
(307)234-1593

18

17

16

15

19

20

21

22

Moench  
unleased

Moench Aagard

UPRR

Champlin Pet.

← 1/2 mile

→ Aagard 28-2

Burton/Hawks, Inc. et al.

30

29

28

27

UPRR

31

32

33

34

Summit County, Utah Township 3 North, Range 8 East, SLM

3.26.85

Water injection well application

Aagard #28-2 well

T3N, R8E

28: NE 1/4 NW 1/4 (1950FWL, 582FNL)

Burton/Hawks, Inc.

P.O. Box 359

Casper, Wyoming 82602

(307) 234-1593

# CORE LABORATORIES, INC.

## ANALYTICAL REPORT

LAB #: W40378-1    DATE: 18-MAY-84    OPERATOR: BURTON HAWKS  
 WELL #: AAGARD 28-2    FIELD: AAGARD RANCH  
 COUNTY: SUMMIT    STATE: UTAH    LOCATION: SEC 28-3N-8E  
 FORMATION: KELVIN    INTERVAL:  
 SAMPLE ORIGIN: PRODUCED WATER    REMARKS:

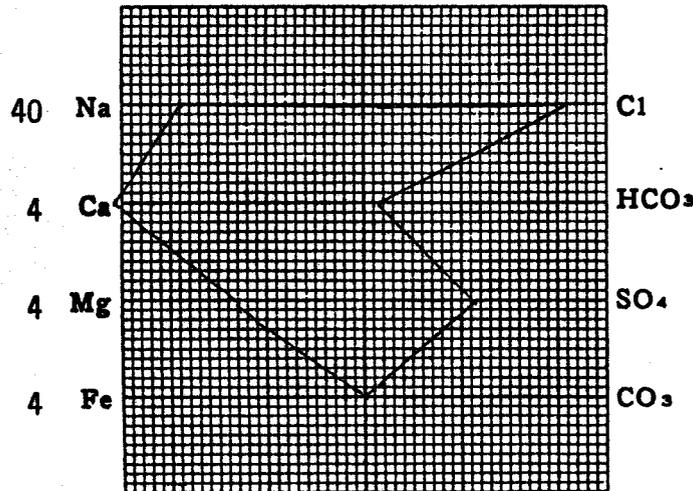
CATIONS	MG/L	MEQ/L	ANIONS	MG/L	MEQ/L
SODIUM	17463	759.66	SULFATE	2200	45.76
POTASSIUM	37	0.95	CHLORIDE	30600	862.92
CALCIUM	2070	103.29	CARBONATE	0	0.00
MAGNESIUM	630	51.79	BICARBONATE	427	7.00
			HYDROXIDE	0	0.00
TOTAL CATIONS =			TOTAL ANIONS =		
915.68			915.68		

CALCULATED TDS MG/L = 53211  
 NACL EQUIVALENTS MG/L = 53021  
 OBSERVED PH = 7.4

SPECIFIC RESISTANCE AT 68F (OHM-M):  
 OBSERVED = 0.19  
 CALCULATED = 0.13

### WATER ANALYSIS PATTERN

Scale  
MEQ per Unit



(Na value in above graph includes Na and K)

NOTE: Mg/l = milligrams per liter  
 Meq/l = milligram equivalent per liter

Sodium chloride equivalent =  
 by Dunlap & Hawthorne  
 calculation from components

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas, coal or other mineral, property, well or sand in connection with which such report is used or relied upon.



STERLING, CO 80751  
(303) 522-4761

SUB-SURFACE PRESSURE SURVEY

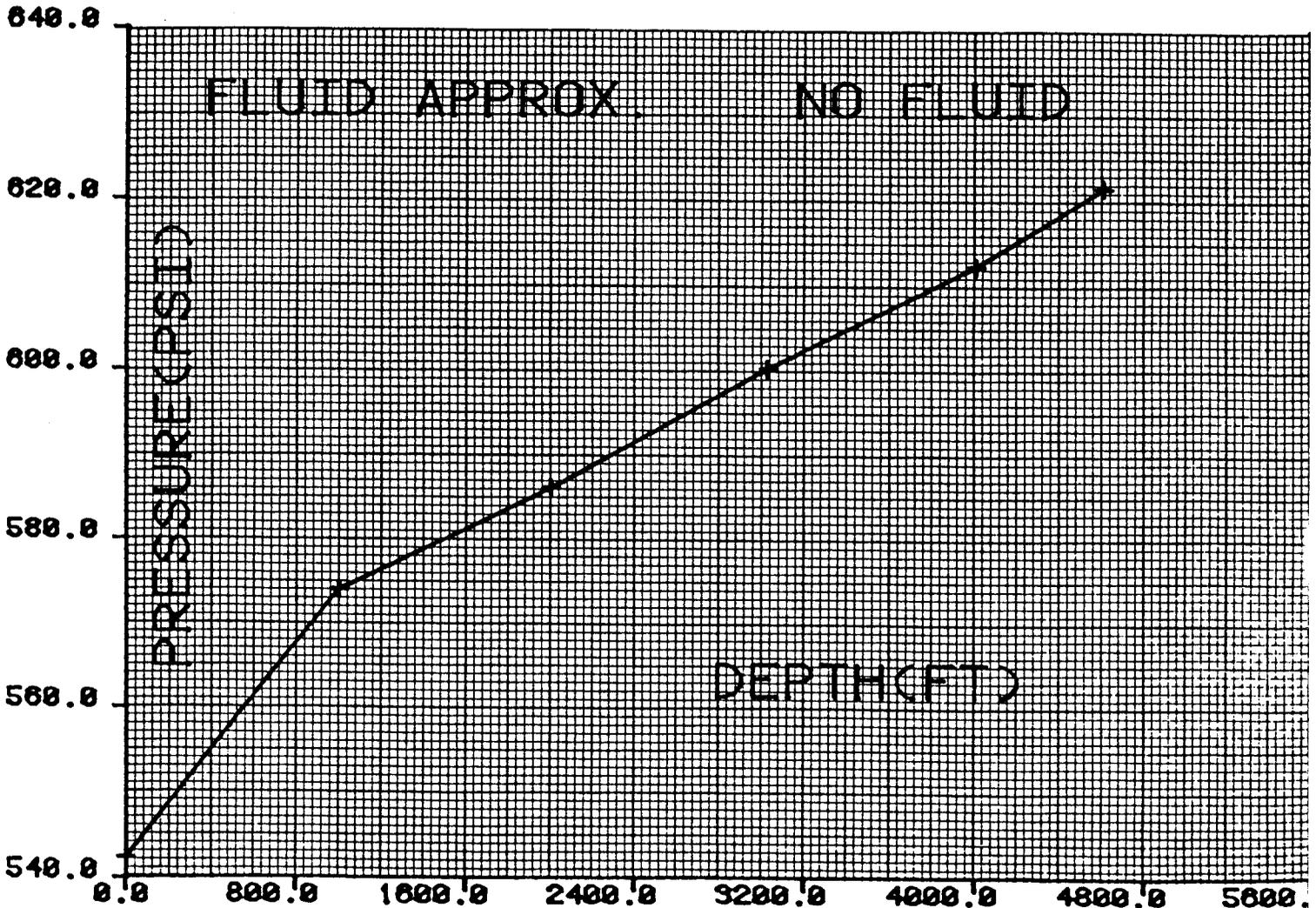
COMPANY	BURTON-HAWKS	RUN	S1 FIELD SUMMIT	WELL NAME	AAGARD 28-2
COUNTY	SUMMIT	WELL STAT	SHUTIN	TOOL HUNG	4606
STATE	UTAH	CASING PRESS		ON BOTTOM	1159 840727
LINER	-	TUBING PRESS	540	OFF BOTTOM	
DATE	840730	ELEMENT RANGE	0 - 1406	ZERO POINT	G.L.
ELEVATION		ZONE		SHUT-IN	UNKNOWN
MAX TEMP	90	PICK-UP/TD	NONE MADE	ON-PROD	
PERF	-	CAL SER NO.	36631	MPP	
TUBING	-				
UNITS	ENGLISH	PURPOSE	STATIC		

SURVEY DATA

COMPANY	BURTON-HAWKS	RUN	S1 FIELD SUMMIT	WELL NAME	AAGARD 28-2		
TIME	DEPTH	PRES	GRAD	TIME	DEPTH	PRES	GRAD
0:00	0	542.3	0.000	0:00	3030	600.1	.014
0:00	1006	574.0	.032	0:00	4006	612.1	.012
0:00	2006	586.0	.012	0:00	4606	621.2	.015

POTTER FILE# S1SUAAGA

7/27/84



FIRST DAY

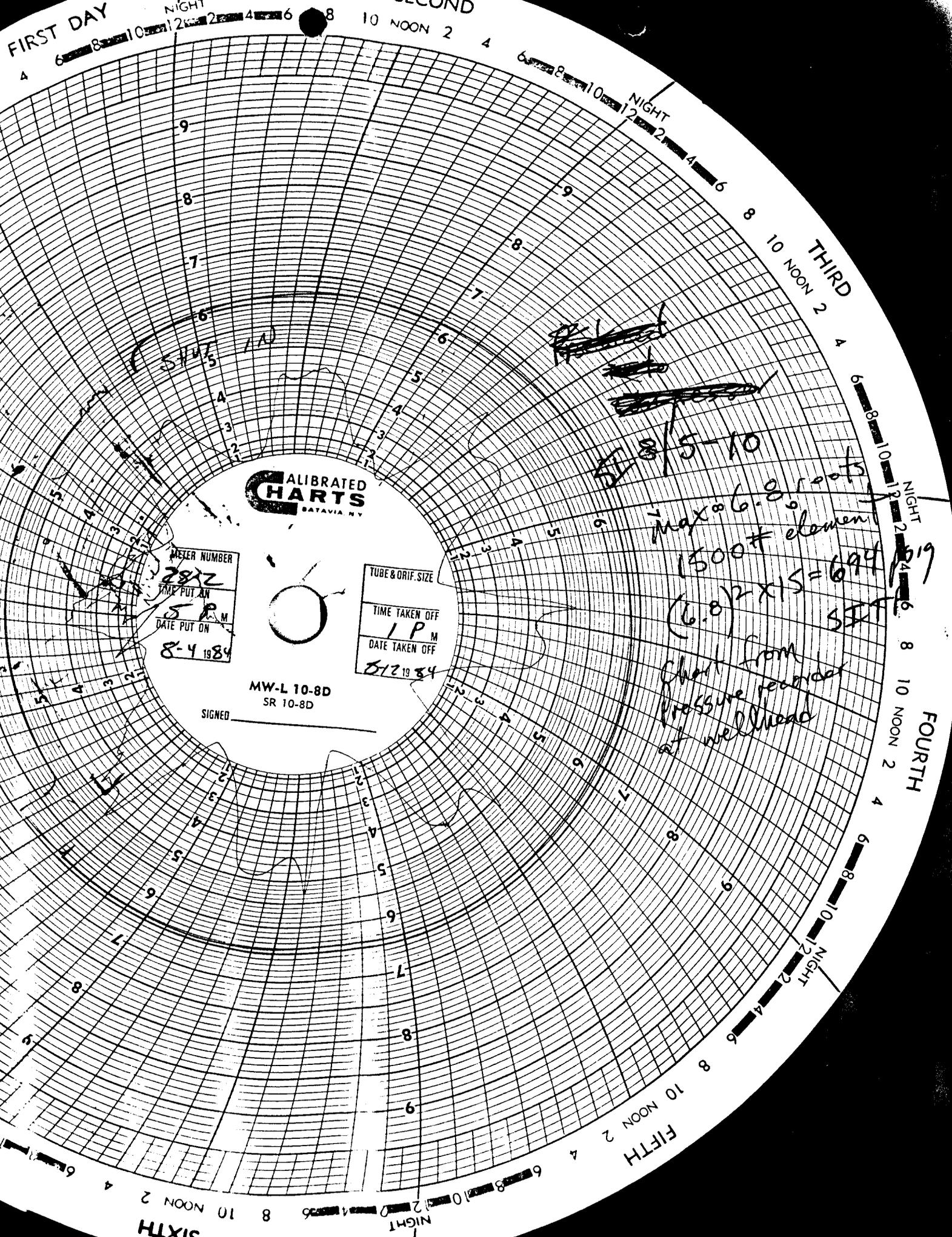
SECOND

THIRD

FOURTH

FIFTH

SIXTH



**CALIBRATED CHARTS**  
 BATAVIA, N.Y.

METER NUMBER  
**2812**  
 TIME PUT ON  
**5 P.M.**  
 DATE PUT ON  
**8-4 1984**

TUBE & ORIF. SIZE  
 TIME TAKEN OFF  
**1 P.M.**  
 DATE TAKEN OFF  
**8-12 1984**

MW-L 10-8D  
 SR 10-8D

SIGNED \_\_\_\_\_

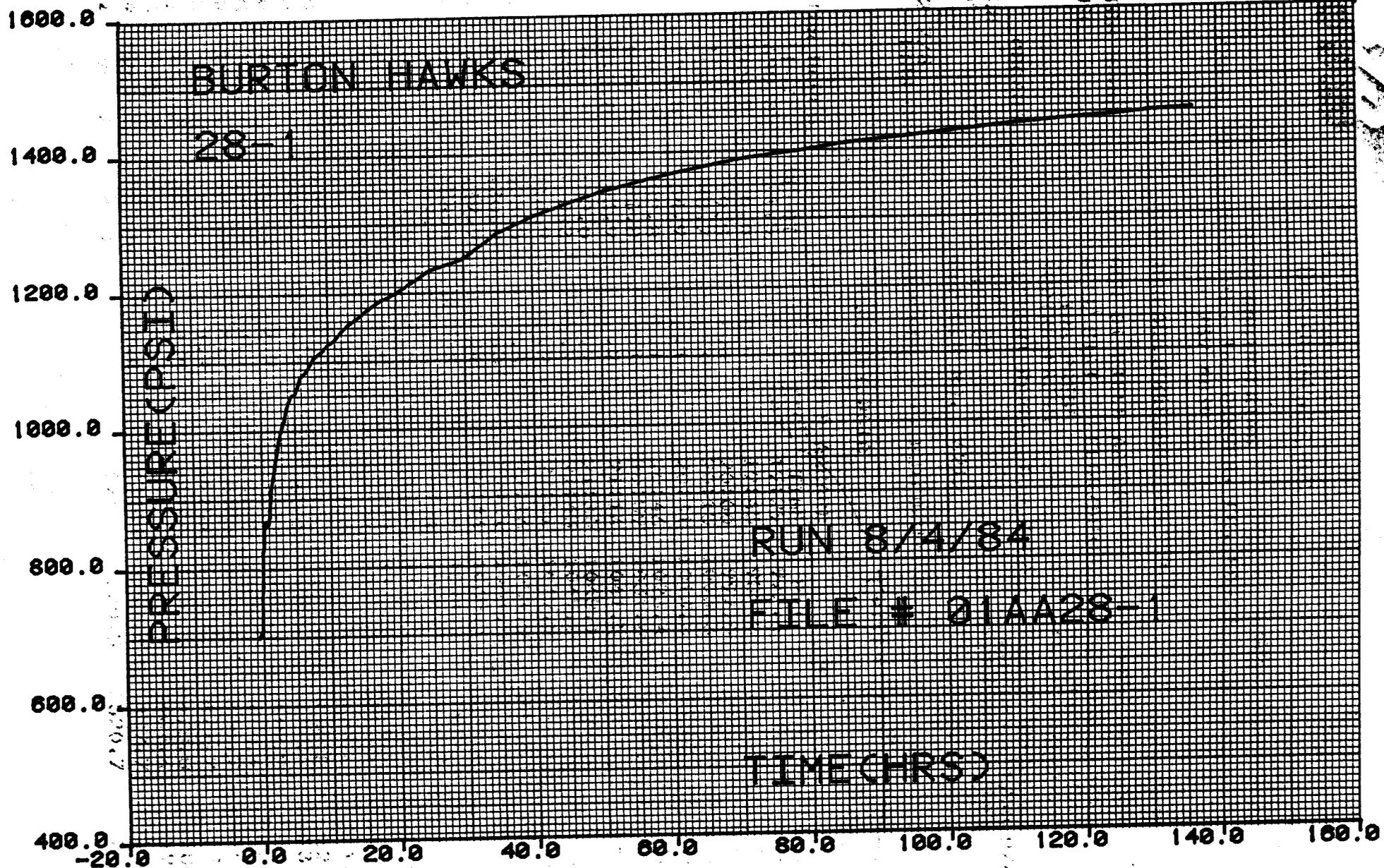
*Handwritten notes:*  
 Max = 6.8 roots  
 1500# element  
 $(6.8)^2 \times 15 = 694$   
 Chart from pressure recorder at wellhead



BAKERSFIELD, CA  
(805) 589-2768

10 x 10 TO 1/2 INCH  
6 x 9 INCHES

CO. BURK  
EFF. MEAS  
CASINO  
LINER  
MATH  
ELEVATION  
MAX TIME  
TEMP  
DRAINING



# BURTON/HAWKS

RECEIVED  
APR 03 1986

DIVISION OF  
OIL, GAS & MINING

April 1, 1986

Marlayne Poulsen, UIC Secretary  
Utah Division of Oil, Gas and Mining  
355 W. North Temple, Suite 350  
Salt Lake City, UT 84180

RE: Aagard #28-2, Sec. 28, T3N R8E, Summit County, Utah

Dear Ms. Poulsen:

The captioned well was put into saltwater disposal service in May 1985. We have been filing the required monthly produced water disposal report ever since. I am not aware of any further requirements. It may help you trace these reports to know that:

- 1) It appears the API number has been reported incorrectly as 43-043-30181 (same as the producing well - Aagard #28-1). It should be 43-043-30198.
- 2) The forms we use have a different address (Room 424 State Office Bldg. Salt Lake City, UT 84114) and may have ended up in the wrong place.

If you can't find these reports and/or if you need anything else, please let me know.

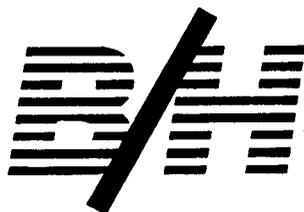
Sincerely,

BURTON/HAWKS, INC.



Steve Richardson  
Engineer

SR/tc



Burton/Hawks, Inc.  
735 First Interstate Building  
Post Office Box 359  
Casper, Wyoming 82602  
(307)234-1593



NW

SE, THERE

#28-1 Discovery well

BURTON/HAWKS  
#22-1 Aagard

SE SW Sec 22, T3N, R8E

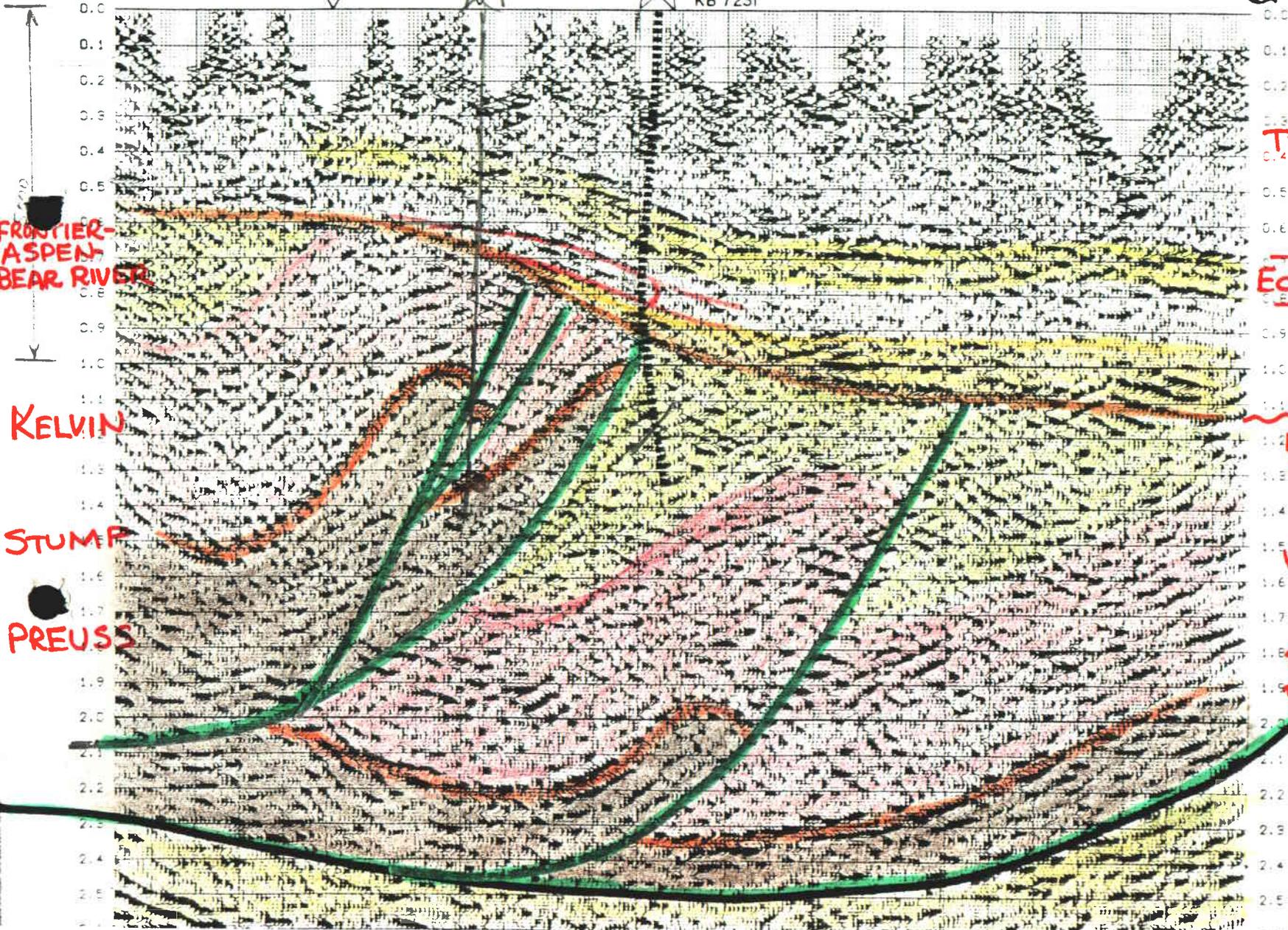
**CONFIDENTIAL**

SE

7017 6940 6956 7077 7149 7270 7246 7226 7212 7319 7255 7247 7259 7389 7321 7400 7566 7439 7530 7496 7434 7476 7681 7523 7645

2 5 10 13 17 20 23 26 29 32 36 41

**GCL 24**



TERTIARY KNIGHT FM

ECHO CANYON CONGL.

WANSHIP FM.

FRONTIER- ASPEN - BEAR RIVER

KELVIN

STUMP  
PREUSS

FRONTIER- ASPEN - BEAR RIVER

KELVIN

STUMP

PREUSS

Bob Wellborn  
Burton/Hawks, Inc  
Box 359 Casper  
Wyoming 82602  
1-307-234-1593

DESIGNATION OF AGENT OR OPERATOR - FORM 5

FEB 04 1991

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: \_\_\_\_\_

LEASE NUMBER: \_\_\_\_\_

and hereby designates

NAME: Robert L. Bayless, Producer

ADDRESS: 621 17th Street, Ste. 1640, Denver, CO 80293

as his agent/operator, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to (describe acreage to which this designation is applicable):

WELL NAME: Aagard 28-1 Permit #43-043-30181  
LOCATION: 500' FNL, 820' FWL of Sec. 28, T3N-R8E, Summit County

WELL NAME: ~~Aagard 28-2~~ Permit #43-043-30198 (SDW)  
LOCATION: 1950' FWL, 582' FNL Sec. 28, T3N-R8E, Summit County

WELL NAME: Aagard 28-3 Permit #43-043-30224  
LOCATION: 1356' FNL, 400' FWL Sec. 28, T3N-R8E, Summit County

*\* Purchased from Burton/Hawks Inc. (N1310)*

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees promptly to notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation 12/01/90 By: 

Company Robert L. Bayless, Producer Title: Production Clerk

Address 621 17th St., Ste 1640

Denver, CO 80293 Phone: 303-296-9900



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

February 6, 1991

Robert L. Bayless, Producer  
621 17th Street, Ste 1640  
Denver, Colorado 80293

Mr. Bayless:

RE: Transfer of Authority to Inject - Aagard #28-2 Well, Sec. 28, T. 3N,  
R. 8E - Summit County, Utah

The Division has received a request of operator change for the Aagard #28-2 Well, from Burton/Hawks Inc. to Robert L. Bayless, Producer.

Please complete and return to our office the enclosed UIC Form 5, as required by R615-8-21 of the Oil and Gas Conservation General Rules.

If I can be of assistance, please contact me at (801)538-5340.

Sincerely,

Gil Hunt  
UIC Manager

lr  
Enclosure



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

February 6, 1991

Robert L. Bayless, Producer  
621 17th Street, Ste 1640  
Denver, Colorado 80293

Dear Mr. Bayless:

Re: Operator Change, Burton/Hawks Inc. to Robert L. Bayless, Producer - Summit County, Utah

In reviewing the operator change for the referenced companies, it was determined that your company is not currently registered with the Utah Department of Commerce. This letter is written to advise you of your responsibility to register your company with the state prior to conducting business within Utah. This can be accomplished by contacting:

Department of Commerce  
Division of Corporations  
160 East 300 South  
Salt Lake City, Utah 84111  
(801) 530-4849

Sincerely,

A handwritten signature in cursive script that reads "Lisha Romero".

Lisha Romero  
Administrative Analyst

cc: Dept. of Commerce  
D. T. Staley  
R. J. Firth  
Operator Change File  
WE76

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  GAS WELL  OTHER Water Disposal Well

2. NAME OF OPERATOR  
Hawks Industries, Inc.

3. ADDRESS OF OPERATOR  
P.O. Box 359; Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
  
NE NW Sec. 28

14. PERMIT NO.  
43-043-30198

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
7321 KB 7311 GR

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Agard Ranch

9. WELL NO.  
Agard 28-2

10. FIELD AND POOL, OR WILDCAT  
Agard Ranch

11. SEC., T., R., M., OR BLK. AND SUBVY OR AREA  
Sec. 28 T3N R8E

12. COUNTY OR PARISH | 13. STATE  
Summit | 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"/>	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) <u>Change of Operator</u> <input checked="" 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.)\*

The Agard 28-2 was sold 12-1-90 to:

Robert L. Bayless Producer  
621 17th St. Ste. 1640  
Denver, CO 80293  
(308) 296-9900

**RECEIVED**  
FEB 13 1991  
DIVISION OF  
OIL, GAS & MINING

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

SIGNED [Signature] TITLE Exploration Manager DATE 2/11/91

(This space for Federal or State office use)

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



February 14, 1991

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

Attn: Leesha Romero

RE: Blanket Bond No. 4466633

Ladies and Gentlemen:

Pursuant to our phone conversation today, Hawks Industries, Inc., successor in interest to Burton-Hawks, Inc. hereby requests that the referenced bond be released.

Sincerely yours,

HAWKS INDUSTRIES, INC.

  
(Mrs.) Jill A. Reed  
Landman

JAR:chk

**RECEIVED**  
FEB 19 1991

DIVISION OF  
OIL, GAS & MINING

7383 - 6WN Road  
Casper, WY 82604  
FAX: 307-472-5106

**MAIL:**  
Post Office Box 359  
Casper, WY 82602  
(307) 234-1593

RECEIVED

MAR 18 1991

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF  
OIL GAS & MINING

Well name and number: Aagard 28-2  
Field or Unit name: Aagard API no. 43-043-30198  
Well location: QQ NENW section 28 township 3N range 8E county SUMMIT  
Effective Date of Transfer: 12/01/90

**CURRENT OPERATOR**  
Transfer approved by:  
Name Bruce Larson Company Hawks Industries  
Signature *Bruce Larson* Address P.O. BOX 359  
Title Exploration Manager Casper, WY 82604  
Date 3/13/91 Phone (307) 234-1593  
Comments:

**NEW OPERATOR**  
Transfer approved by:  
Name Tami L. Bautista Company Robert L. Bayless, Producer  
Signature *Tami L. Bautista* Address 621 17th Street, Suite 1640  
Title Production Technician Denver, CO 80293  
Date 3/11/91 Phone (303) 296-9900  
Comments:

(State use only)  
Transfer approved by *A. Blunt* Title NIC Manager  
Approval Date 3-21-91 well will be covered by Hawks' bond until a replacement is received.

Routing:

1- LOR	✓
2- DTS	✓
3- VLC	✓
4- RJF	✓
5- RWM	✓
6- LCR	✓

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-1-90)

TO (new operator)	<u>ROBERT L. BAYLESS, PRODUCER</u>	FROM (former operator)	<u>BURTON/HAWKS INC.</u>
(address)	<u>621 17TH STREET, STE 1640</u>	(address)	<u>P. O. BOX 359</u>
	<u>DENVER, CO 80293</u>		<u>CASPER, WY 82602</u>
	<u>TAMI BAUTISTA</u>		
	<u>phone (303) 296-9900</u>		<u>phone (307) 234-1593</u>
	<u>account no. N-9300 (3-13-91)</u>		<u>account no. NY1310</u>

Well(s) (attach additional page if needed):

Name: <u>AAGARD 28-1/KELVN</u>	API: <u>4304330181</u>	Entity: <u>8236</u>	Sec: <u>28</u>	Twp: <u>3N</u>	Rng: <u>8E</u>	Lease Type: <u>FEE</u>
Name: <u>AAGARD 28-2/KELVN (SDW)</u>	API: <u>4304330198</u>	Entity: <u>8236</u>	Sec: <u>28</u>	Twp: <u>3N</u>	Rng: <u>8E</u>	Lease Type: <u>FEE</u>
Name: <u>AAGARD 28-3/KELVN</u>	API: <u>4304330224</u>	Entity: <u>8238</u>	Sec: <u>28</u>	Twp: <u>3N</u>	Rng: <u>8E</u>	Lease Type: <u>FEE</u>
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Reg. 2-6-91) (Rec. 2-13-91)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(2-4-91)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes  NO) If yes, show company file number: \_\_\_\_\_. *(2-4-91) Letter mailed.*
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-25-91)*
6. Cardex file has been updated for each well listed above.
7. Well file labels have been updated for each well listed above.
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-25-91)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form). (Entity 8236 ok (1) well 28-2 is a SDW)
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. (Reg. 2-1-91) (Rec. 3-18-91 \$80,000 Surety - Kansas City Fire & Marine Ins. Co.)
- 2. A copy of this form has been placed in the new and former operators' bond files. \*Upon completion of routing.
- 3. The former operator has requested a release of liability from their bond (yes/no) Yes. Today's date Feb. 19, 1991. If yes, division response was made by letter dated April 23, 1991.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 4/17, 1991, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

INDEXING

- 1. All attachments to this form have been microfilmed. Date: April 23 1991.

FILED

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

110306 Robert Bayless, Producer - Mel (Will send bond coverage & authority to inject ASAP.)

110306 Burton/Hawks Inc - Gill Reed "Notified of bond situation".



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

April 17, 1991

Mr. Bruce Larson  
Hawks Industries, Inc.  
P.O. Box 359  
Casper, Wyoming 82602

Dear Mr. Larson:

Re: Notification of Sale or Transfer of Lease Interest - Aagard 28-1 Well, Sec. 28, T. 3N, R. 8E, API No. 43-043-30181, Aagard 28-2, Sec. 28, T. 3N, R. 8E, API No. 43-043-30198, Aagard 28-3, Sec. 28, T. 3N, R. 8E, API No. 43-043-30224, Summit County, Utah

The division has received notification of a change of operator from Burton-Hawks, Inc. to Robert L. Bayless, Producer, for the referenced wells which are located on fee leases.

Rule R615-2-10 of the Utah Oil and Gas Conservation General Rules, requires that the owner of a lease provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Hawks Industries, Inc. of its responsibility to notify all individuals with an interest in these leases of the change of operator. Please provide written documentation of this notification to the division no later than May 7, 1991.

Sincerely,

Don Staley  
Administrative Supervisor  
Oil and Gas

ldc  
cc: R.J. Firth  
Well file  
WOI201



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

April 17, 1991

Mr. Bruce Larson  
Hawks Industries, Inc.  
P.O. Box 359  
Casper, Wyoming 82602

SDW

Dear Mr. Larson:

Re: Notification of Sale or Transfer of Lease Interest - Aagard 28-1 Well, Sec. 28, T. 3N, R. 8E, API No. 43-043-30181, Aagard 28-2, Sec. 28, T. 3N, R. 8E, API No. 43-043-30198, Aagard 28-3, Sec. 28, T. 3N, R. 8E, API No. 43-043-30224, Summit County, Utah

The division has received notification of a change of operator from Burton-Hawks, Inc. to Robert L. Bayless, Producer, for the referenced wells which are located on fee leases.

Rule R615-2-10 of the Utah Oil and Gas Conservation General Rules, requires that the owner of a lease provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Hawks Industries, Inc. of its responsibility to notify all individuals with an interest in these leases of the change of operator. Please provide written documentation of this notification to the division no later than May 7, 1991.

Sincerely,

Don Staley  
Administrative Supervisor  
Oil and Gas

ldc  
cc: R.J. Firth  
Well file  
WOI201



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

EDW

Norman H. Bangertter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

May 29, 1991

Mr. Bruce Larson  
Hawks Industries, Inc.  
P.O. Box 359  
Casper, Wyoming 82602

Dear Mr. Larson:

Re: Notification of Sale or Transfer of Lease Interest - Aagard 28-1 Well, Sec. 28, T. 3N, R. 8E, API No. 43-043-30181, Aagard 28-2, Sec. 28, T. 3N, R. 8E, API No. 43-043-30198, Aagard 28-3, Sec. 28, T. 3N, R. 8E, API No. 43-043-30224, Summit County, Utah

The division notified you by letter dated April 17, 1991 that Rule R615-2-10 of the Utah Oil and Gas Conservation General Rules, requires that the owner of a lease provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred. You were informed of your responsibility to notify all individuals with an interest in the above wells and asked to provide written documentation of this notification to the division by no later than May 7, 1991. As of yet, we have not received the requested documentation.

If you have problems or questions concerning this request, please feel free to call me at (801)538-5340. Otherwise, please respond by June 20, 1991. Your prompt attention to this matter is appreciated.

Sincerely,

Don Staley  
Administrative Supervisor  
Oil and Gas

ldc  
cc: L.C. Romero  
Well file  
WO113



Copy - [unclear]  
① Rwm  
② Original - Aagard 28-1 [unclear] file  
cc - Aagard 28-2 well file SDW  
cc - Aagard 28-3 well file

June 18, 1991

RECEIVED

JUN 20 1991

DIVISION OF  
OIL GAS & MINING

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

Attention: Don Staley

RE: Notification Pursuant to Rule R615-2-10  
Aagard 28-1, 28-2 and 28-3 Wells  
Summit County, Utah

Sec 28, T.3N, R8E

Aagard 28-1 43-043-30181

Aagard 28-2 43-043-30198 SDW

Aagard 28-3 43-043-30224

Dear Mr. Staley:

This letter is in response to your request letter dated May 29, 1991. By copy of this letter we hereby notify all individuals with an interest in the above wells that Hawks Industries, Inc., successor in interest to Burton-Hawks Inc. has conveyed all of its interest in the referenced wells to Robert L. Bayless effective December 1, 1990.

Sincerely yours,

HAWKS INDUSTRIES, INC.

  
(Mrs.) Jill A. Reed  
Land Manager

cc: Douglas A. Denton, P. O. Box 7947, Midland, TX 79708  
Welby K. Aagard, Trustee for John E. Aagard Trust #1,  
2777 Wilshire Dr., Salt Lake City, UT 84109

7383 - 6WN Road  
Casper, WY 82604  
FAX: 307-472-5106

MAIL:  
Post Office Box 359  
Casper, WY 82602  
(307) 234-1593



copy - LCR - operator file  
① Rwm ✓  
② original - Aagard 28-2 well file

June 18, 1991

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

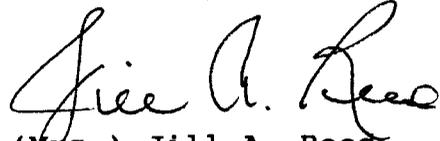
RE: Aagard 28-2 Well  
28-T3N-R8E 43-043-30198  
Summit County, Utah

Gentlemen:

Please be advised that we have transferred all of our interest in the referenced well to Robert L. Bayless-Producer, 621 17th Street, Suite 1640, Denver, Colorado 80293. Please change your records to reflect this conveyance.

Sincerely yours,

HAWKS INDUSTRIES, INC.

  
(Mrs.) Jill A. Reed  
Land Manager

JAR:chk

**RECEIVED**

JUN 20 1991

DIVISION OF  
OIL GAS & MINING

7383 - 6WN Road  
Casper, WY 82604  
FAX: 307-472-5106

**MAIL:**  
Post Office Box 359  
Casper, WY 82602  
(307) 234-1593





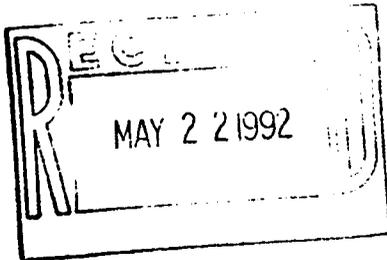
# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

A handwritten signature in the top right corner of the page.



May 15, 1992

TO: Oil and Gas Producers/Operators  
FROM: Division of Oil, Gas and Mining  
RE: Approved Disposal Facilities

Attached are lists of the currently approved produced water and oil field waste disposal facilities. These lists are subject to change therefore, if you have questions concerning the status of any produced water or oil field waste disposal facility, please contact this office at (801)538-5340.

ldc  
WUI17

UTAH DIVISION OF OIL, GAS AND MINING

APPROVED DISPOSAL PITS  
May 15, 1992

<u>OWNER/OPERATOR</u>	<u>SECTION</u>	<u>TOWNSHIP</u>	<u>RANGE</u>	<u>AREA</u>
Gary Hansen	7	3S	3W	Arcadia
Nile Chapman	9	2S	2W	Bluebell
Hay Hot Oil	14	40S	22E	Bluff
Ronald Robinson	1	2N	5E	Chalk Creek
Grand County	30	21S	22E	Cisco
Dave Murray	12	5S	19E	LaPoint
Max Champoose	27	1N	2W	Neola
Jim Moser	32	1S	1W	Roosevelt
Marathon Oil	23	38S	25E	Tin Cup Mesa
Mike Keele	2	6S	20E	Vernal
* Nick Stevenson	29	1S	3W	Altamont
* Ned Mitchell	2	3S	4W	Arcadia
* Ned Mitchell	5	2S	1W	Roosevelt

\* Only the disposal of waste material resulting from crude oil spill cleanup operations. Please note that only produced water and associated RCRA exempt fluids are to be taken to the other pits unless further approval is given.

Please be advised, this list is subject to change pending compliance of facilities listed. Check with the Division for current standing.

ldc  
WUI18

ACTIVE APPROVED DISPOSAL WELLS

OPERATOR *****	WELL ****	SECTION *****	TOWNSHIP *****	RANGE *****
AMOCO ROCKMOUNT COMPANY	ISLAND RANCHING #C-1	26	04N	07E
AMOCO ROCKMOUNT COMPANY	ANSCHUTZ RANCH 34-02	34	04N	07E
ANR LIMITED	SHELL FEE #2-27A4	27	01S	04W
ANR LIMITED	ERICH 2-11B5	11	02S	05W
ANR LIMITED	2-23B4 LAKE FORK	23	02S	04W
ANR LIMITED	LDS CHURCH #2-27B5	27	02S	05W
ANR LIMITED	G. HANSON #2-4B3	4	02S	03W
BALCRON OIL	PARIETTE BENCH #4	7	09S	19E
BWAB INCORPORATED	TAOS FED. 25-34	25	37S	24E
CHRIS DENVER	HELEN LARSEN 2-5A1	5	01S	01W
COASTAL OIL & GAS CORP.	JAMES POWELL FEE #3	13	01S	02W
COORS ENERGY	UTE TRIBAL 2-4	4	05S	03W
CROSS CREEK CORP.	SOUTH ISMAY #1	5	41S	26E
ENSERCH EXPLORATION CO.	SOUTHMAN CANYON #3	15	10S	23E
GENESIS PRODUCTION	BLUE BENCH 13-1	13	03S	05W
GIANT EXPLORATION & PROD.	SENTINEL PEAK #27-14	27	41S	26E
GIANT EXPLORATION & PROD.	SENTINAL PEAK 27-23	27	41S	26E
HAMON OIL COMPANY	BLONQUIST #26-4	26	02N	06E
HAWK INDUSTRIES INC.	AAGARD #28-2	28	03N	08E
HELD-BY PRODUCTION	UTE #1-A	18	03S	06W
LINMAR ENERGY CORPORATION	BIRCH WDW #2-35	35	01S	05W
LINMAR ENERGY CORPORATION	RUSSELL #2-32B4	32	02S	04W
LINMAR ENERGY CORPORATION	ALLRED WDW #2-16	16	01S	03W
MEDALLION EXPLORATION	ALTAMONT SWD #1	24	03S	06W
OMIMEX PETROLEUM INC.	NANCY FEDERAL #3-32	3	38S	25E
ORYX ENERGY COMPANY	FLASH FED. #1	18	03N	15E
PENNZOIL	BLUEBELL SWD #2-28A2	28	01S	02W
PENNZOIL	CB SWD 2-26A2	26	01S	02W
PENNZOIL	LBF #1-11A2	11	01S	02W
PENNZOIL	SWD #1-3A2	3	01S	02W
PENNZOIL	SWD #3-31A3	31	01S	03W
PENNZOIL	SWD #2-10B1	10	02S	01W
PENNZOIL	BENNION 1-25A4	25	01S	04W
PENNZOIL	CENT BLU #2-17C5	17	03S	05W
PHILLIPS PETROLEUM COMPANY	FORK D-10	14	03N	14E
ROONEY OPERATING COMPANY	SAM WILL. #1-21B3	21	02S	03W
S.W. ENERGY CORPORATION	SUNILAND STATE A-2	16	23S	17E
SAMSON RESOURCES	GOV. # C-2	20	40S	23E
SEELEY OIL COMPANY	STATE #2-23	2	16S	12E
STERLING ENERGY CORP.	TOHONALDA 41-35	35	41S	21E
UNION OIL CO OF CALIFORNIA	B-624	24	30S	24E
UNION OIL CO OF CALIFORNIA	B-816	16	30S	24E
UNION PACIFIC RESOURCES CO	UPRR #5-1	5	02N	07E
UNION PACIFIC RESOURCES CO	CLARK 4-1	4	02N	07E
UNION PACIFIC RESOURCES CO	BINGHAM #10-3	10	02N	07E
UNION PACIFIC RESOURCES CO	UPRR #11-1	11	02N	07E
UNION PACIFIC RESOURCES CO	JUDD #34-2	34	02N	06E
UNION PACIFIC RESOURCES CO	UPRR #3-5	3	02N	07E
UNION PACIFIC RESOURCES CO	UPRR #15-1	15	02N	07E
WEXPRO COMPANY	BUG #12	21	36S	26E
WEXPRO COMPANY	FEDERAL CONNELLY #1	13	36S	25E
WEXPRO COMPANY	PATTERSON UNIT #5	4	38S	25E



RECEIVED

MAY 26 1992

DIVISION OF  
OIL GAS & MINING

May 22, 1992

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

Attn: IDC/WUI17

Re: Aagard 28-2 Disposal Well  
28-T3N-R8E  
Summit County, Utah

Gentlemen:

We are in receipt of your memorandum dated May 15, 1992. This is to advise you that we have transferred all of our interest in the referenced disposal well to the following party:

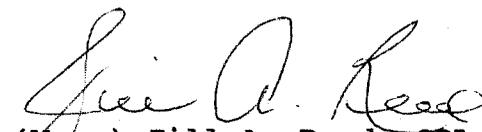
Robert L. Bayless, Producer  
621 17th Street, Suite 1640  
Denver, Colorado 80293

Please remove us from your records and contact the present owner regarding this matter.

Thank you for your cooperation in this matter.

Sincerely yours,

HAWKS INDUSTRIES, INC.

  
(Mrs.) Jill A. Reed, CPL  
Land Manager

enclosure

7383 - 6WN Road  
Casper, WY 82604  
FAX: 307-472-5106

MAIL:  
Post Office Box 359  
Casper, WY 82602  
(307) 234-1593

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

RECEIVED  
MAY 22 1995

5. Lease Designation and Serial Number:

SUNDRY NOTICES AND REPORTS ON WELLS, GAS & MINING

6. If Indian, Allottee or Tribe Name:

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

7. Unit Agreement Name:

1. Type of Well: OIL  GAS  OTHER: WATER DISPOSAL WELL

8. Well Name and Number:

Aagard 28-2

2. Name of Operator: ROBERT L. BAYLESS, PRODUCER

9. API Well Number:

4304330198

3. Address and Telephone Number: 621 17th ST., Suite 1640 Denver CO 80293 (303) 246-9900

10. Field and Pool, or Wildcat:

4. Location of Well

Footages:

County: SUMMIT

OO, Sec., T., R., M.: NW 28 3N 8E

State: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

- Abandonment \*
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other ANNUAL STATUS REPORT 1994
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well is being used as a water disposal well on site.

13. Name & Signature: Denette Butson Title: Revenue Accountant Date: 5-18-95

(This space for State use only)

**From:** Dustin Doucet  
**To:** Cordova, Lisha  
**Date:** 4/15/03 8:51AM  
**Subject:** Re: Bayless, Robert L Producer

Lisha,

I have not received anything from them for this well. In order to approve the SI/TA, I will need all of the info as mentioned in the Dominion email. Proof of integrity, reason and length of time for shut-in as required by R649-3-36. Thanks.

Dustin

>>> Lisha Cordova 04/14/03 02:56PM >>>

Hi Dustin,

I spoke with Carol Hagihara (Bayless) on 3/13/2003 regarding the Aagard 28-2/43-043-30198 shut-in WDW. They need to perform an MIT on this well to demonstrate mechanical integrity soon. Their last MIT was 11/6/97. They were going to file a sundry notice to request a 5 yr SI extension or a sundry of intent to PA. I haven't received anything yet, have you? If not, I will call them to follow up.

**CC:** Hunt, Gil

**Steve Hamilton Consulting**

P.O. Box 751  
 Coalville, Ut. 84017  
 Cellular: 307-679-1796 Home: 801-336-2509

00008

**RECEIVED**

NOV 25 1997

Customer Robert E Bayles  
 Address 1-303-296-9900  
 Ordered by Rob  
 Consultant Steve Hamilton

Field 43-043-30198  
 Well # Agard 28-2  
 Date 11-6-97  
Sec. 28 3N 8E

Description of Work

T.O.O.H lay down AD-1 packer. Make up Baker lockset packer  
 1 Jt. & Otis X-N nipple T.I.H set packer @ 4632 w/ 4000#  
 compression pressure test annulus to 1000 P.S.I. Held OK for 30 minutes  
 N.D. B.O.P. N.W. Tree Load out & rig down service unit.

	AMOUNT
Supervision per day	\$400 <sup>00</sup>
Mileage 60 miles @ 65¢ per mile	\$39 <sup>00</sup>
Well Description	
1 Baker 6" 5 3/8" Lockset packer	
1 Jt. 2 7/8 EUE 6.5" T.BG	
1 Otis X-N nipple	
139 Jts. 2 7/8 6.5" EUE T.BG.	
<b>TOTAL</b>	<b>\$439<sup>00</sup></b>

Note = Grade of T.BG unknown  
 Assuming T.BG is J-55

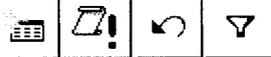
\*991105 Count as an MTT per DJ

jc





IMIT EMIT



# MIT Tests



API Well No: 43-043-30198-00-00 AAGARD 28-2 Multiple Tests for This Well >>> 11/06/1997 00:00

BAYLESS, ROBERT L PRODUCER SUMMIT 04/27/1990 00:00

IMIT Test Date/Time: 11/06/1997 0:00 Reason For Test: Operator Reported

Data for Wells Using APM Type of IMIT Date to edit/view data for this well: Ann. Mon. Result: Std. Annulus Pres. Test

Initial Test Pressure: 1000 psig Test Result: Acceptable Well Status:

Final Test Pressure: 1000 psig Witnessed? No Inj. Pressure: psig

Duration of Test: 30 min. Inj. Rate: BPD

Date Mod: 11/05/1999

Notes:

Record: 14 1 of 2

**WELL DATA**

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

WELL NAME **AAGARD 28-2** API NUMBER **4304330198** WELL TYPE **WD** WELL STATUS **I**  
 OPERATOR **BAYLESS, ROBERT L PRODUCER** ACCT & ALT FLAG **N9300** # DESIGNATED OPER \_\_\_\_\_ ACCT \_\_\_\_\_  
 FIELD NAME **AAGARD RANCH** FIELD NUMBER **495** FIRST PRODUCTION \_\_\_\_\_ LA | PA DATE \_\_\_\_\_

WELL LOCATION:

SURF LOCATION **0582 FNL 1950 FWL**  
 Q. S. T. R. M. **NENW 28 03.0 N 08.0 E S**  
 COUNTY **SUMMIT**

UTM Coordinates:

SURFACE - N **4535642.00** BHL - N \_\_\_\_\_  
 SURFACE - E **495888.00** BHL - E \_\_\_\_\_

LATITUDE **40.97384**  
 LONGITUDE **-111.04890**

CONFIDENTIAL FLAG \_\_\_\_\_ LEASE NUMBER **FEE**  
 CONFIDENTIAL DATE \_\_\_\_\_ MINERAL LEASE TYPE **4**  
 DIRECTIONAL | HORIZONTAL **D** SURFACE OWNER TYPE **4**  
 HORIZONTAL LATERALS \_\_\_\_\_ INDIAN TRIBE \_\_\_\_\_  
 ORIGINAL FIELD TYPE **W** C.A. NUMBER \_\_\_\_\_  
 WILDCAT TAX FLAG \_\_\_\_\_ UNIT NAME \_\_\_\_\_  
 CB-METHANE FLAG \_\_\_\_\_  
 ELEVATION **7418\* KB**  
 BOND NUMBER **141769447**  
 BOND TYPE **4**

CUMULATIVE PRODUCTION:

OIL **0**  
 GAS **38518**  
 WATER **45**

COMMENTS **890306 FR N1310 EFF 12/88:890823 FR N1315 EFF 8/89:**

Create New Rec To History To Activity Print Recd Export Recd ↑ ↓

CANCELS THE EDITING OPERATION AND GOES BACK TO THE PREVIOUS STATE

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

**NOTICE OF VIOLATION**  
**OIL AND GAS CONSERVATION ACT**

**TO THE FOLLOWING OPERATOR:**

Name: Bayless, Robert L. Producer  
Address: 621 17th Street, Suite 1640  
City: Denver State: Colorado Zip: 80293  
Company Representative: Robert Bayless Phone: \_\_\_\_\_

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Utah Division of Oil, Gas and Mining, in the course of his or her work, has discovered alleged violation(s) of the act, rules or permit conditions as described below.

**Description of Violation:**

Past due pressure test for mechanical integrity for the Aagard 28-2 well located in Section 28, Township 3 North, Range 8 East, API No. 43-043-30198, Summit County, Utah. (Last MIT 11/97)

See attached Division letter dated May 20, 2003.

**This is in violation of the following act, rule, or permit condition:**

Rule R649-5-5.3 of the Oil and Gas Conservation General Rules. The rule requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least once in every five-year period beginning in October 1982.

**The following action should be taken to remedy this violation:**

Contact the Division immediately to make arrangements and ready the well for testing, as outlined in the attached Division letter dated May 20, 2003.

**Resolution deadline:** August 5, 2003 Additional information / materials attached? Yes  No

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining.

Failure to resolve this violation as described above, will result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

Division Representative Signature: *Lisha Cordova* Date: 7/22/2003  
Name and Title: Lisha Cordova Petroleum Specialist Phone: (801) 538-5296

(10/2001)

cc: JRB, SLS, CDW, Compliance File ( )



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

May 20, 2003

Robert Bayless  
Bayless, Robert L Producer  
621 17<sup>th</sup> Street, Suite 1640  
Denver, Colorado 80293

Re: Pressure Test for Mechanical Integrity, Aagard 28-2 Well, Section 28, Township 3 North, Range 8 East, API No. 43-043-30198, Summit County, Utah

Dear Mr. Bayless:

The Underground Injection Control Program, which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class, II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least once in every five-year period beginning in October 1982. Please make arrangements and ready the well for testing in June as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.
4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut-in 24 hours prior to testing.

Page 2

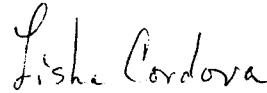
Bayless, Robert L Producer

Aagard 28-2

May 20, 2003

Please contact me at (801) 538-5296 to arrange a meeting date, time, and place in June or negotiate a different date, if this one is unacceptable.

Sincerely,

A handwritten signature in cursive script that reads "Lisha Cordova".

Lisha Cordova  
Petroleum Technician

lc

cc: Gil Hunt, Environmental Manager  
Well File

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Aagard 28-2

Suspense

Other

(Loc.) Sec 28 Twp 3N Rng 8E  
(API No.) 43-043-30198

(Return Date) \_\_\_\_\_

(To-Initials) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. Date of Phone Call: 8-14-03 Time: 2:30

2. DOGM Employee (name) J. Cordova ( Initiated Call)

Talked to:

Name Robert Bayless ( Initiated Call) - Phone No. (303) 296-9900

of (Company/Organization) Robert F. Bayless, Producer

3. Topic of Conversation: NOV dated 7-22-03, for past due MIT.

4. Highlights of Conversation: \_\_\_\_\_

msg - on phone, R. Bayless will call when done.

4:30 Rob Bayless referred me to Tom McCarthy (505) 326-2659 their field operations man. He stated that they cannot figure out the geology for the Aagard wells (3) and are not making any money on them and plan to P&A them.

\* He will submit a letter explaining & may want a 1 yr. ext. on MIT for the well so they can evaluate the field, and or establish a PA procedure. He also apologized for not contacting DOGM when NOV was received.

\* Rec'd letter 8/21/03, casing & well construction ok, no past problems. 1 yr. extension granted 8/28/03. NOV compliance extended to 8/28/04.

# Robert L. Bayless, Producer LLC

Post Office Box 168  
368 New Mexico Highway 170  
Farmington, New Mexico 87499  
505-326-2659  
Fax 505-326-6911

621 Seventeenth Street, Suite 1640  
Denver, Colorado 80293  
303-296-9900  
Fax 303-296-0753

August 18, 2003

Lisha Cordova  
State of Utah Department of Natural Resources  
Division of Oil, Gas and Mining  
P O box 145801  
Salt Lake City, Utah 84114-5801

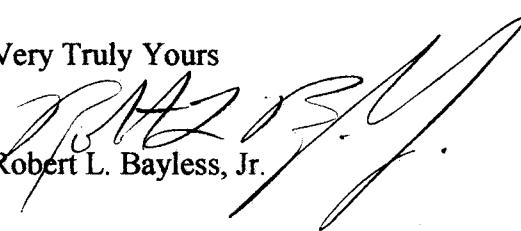
Re: Aagard 28-2 T3N, R8E Sec. 28  
Summit County, Utah

Dear Ms. Cordova:

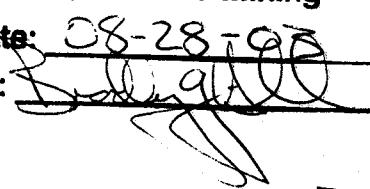
May we have a one-year extension on performing a mechanical integrity test on the referenced well. This field is currently shut in and this injection well is inactive. We are evaluating this property for a return to production, or likely, plug and abandonment. We will not inject any fluids into the referenced well without contacting your office for a mechanical integrity test.

Thank you for your consideration of this request. Please contact Tom McCarthy in our Farmington, New Mexico office (505) 326-2659, or the undersigned, if we may provide any further details.

Very Truly Yours

  
Robert L. Bayless, Jr.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 08-28-03  
By: 

Cc: Tom McCarthy--Farmington

RECEIVED

AUG 21 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER WATER DISPOSAL

2. NAME OF OPERATOR: ROBERT L. BAYLESS, PRODUCER

3. ADDRESS OF OPERATOR: P.O. BOX 168 CITY FARMINGTON STATE NM ZIP 87499 PHONE NUMBER: (505) 326-2659

4. LOCATION OF WELL: FOOTAGES AT SURFACE: 582' FNE & 1950' FWL COUNTY: SUMMIT  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NW, SEC. 28, T3N, R8E STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT OR CA AGREEMENT NAME:

8. WELL NAME and NUMBER: AAGARD #28-2

9. API NUMBER: 43-043-30198

10. FIELD AND POOL, OR WILDCAT: AAGARD RANCH FIELD

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PLEASE SEE ATTACHED.

COPY SENT TO OPERATOR  
Date: 10-2-03  
Initials: UHO

NAME (PLEASE PRINT) TOM MCCARTHY TITLE ENGINEER  
SIGNATURE [Signature] DATE 9/25/03

(This space for State use only) APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 10/11/03  
BY: [Signature]

(5/2000)

w/conditions of Approval Attached

RECEIVED

SEP 29 2003

DIV. OF OIL, GAS & MINING

**Robert L. Bayless**  
**Plug and Abandon Procedure**

Aagard No. 28-2

660' FNL & 1980' FWL, Section 28, T3N, R8E  
Summit County, UT

Well data: See attached Well Bore Diagram

1. Install rig anchors if necessary. Dig small workover pit if necessary.
2. Move in rig.
3. Blow well down and kill if necessary.
4. Nipple up BOP. Release packer. Trip out and tally tubing. Inspect tubing. Pick up work string or extra tubing if necessary.
5. Trip in with tubing and cement retainer to 4640'. Set retainer and pump 10 sacks cement below retainer. Pull out of retainer and spot balanced 10 sack plug down tubing on top of retainer.
6. Trip out with tubing above cement , or to 4550'. Roll hole with water. Trip tubing out of hole.
7. Rig up wireline. Perforate 2 squeeze holes at 610'. Trip in with tubing and cement retainer and set retainer at 590'. Squeeze perfs with 50 sacks cement.
8. Trip out with tubing to 110'. Mix and pump a 20 sack plug. This should get cement back to surface. Trip out tubing.
9. Cut off casing. Fill casings with cement if necessary. Install P & A marker. Rig down and move off.

Notes: All cement will be Class B Neat.

Other than the cement, the well bore fluid will be 8.3 PPG water.

Current Configuration

Wellbore Diagram - Current Configuration

Aagard 28-2  
 NE NW Sec. 28, T3N, R8E  
 660' FNL & 1980' FWL  
 Summit County, Utah  
 Ground Elevation: 7311'  
 KB Elevation: 7321'  
 Comp.: 7/14/82

9 5/8" 34# casing in 12 1/4" hole set at 600'. Cmt 225 sx  
 Observed cement returns.

Cmt bond top 3800' (from reports)

139 jts 2 7/8" 6.5# J55 EUE	4591.02
Otis XN nipple	1.10
1jt 2 7/8" 6.5# J55 EUE	32.68
Baker A-3 7" lockset packer	7.20
	4632.00

Perfs:	4821-28	4680-96
	4834-42	4707-18
	4884-89	4726-30
	4913-16	4762-72
	4919-27	

PBD: 5008'

7" 26# K55 casing set at 5016' in an 8 3/4" hole  
 Cmt 450 sx Class H 50% fly ash and 2% gel

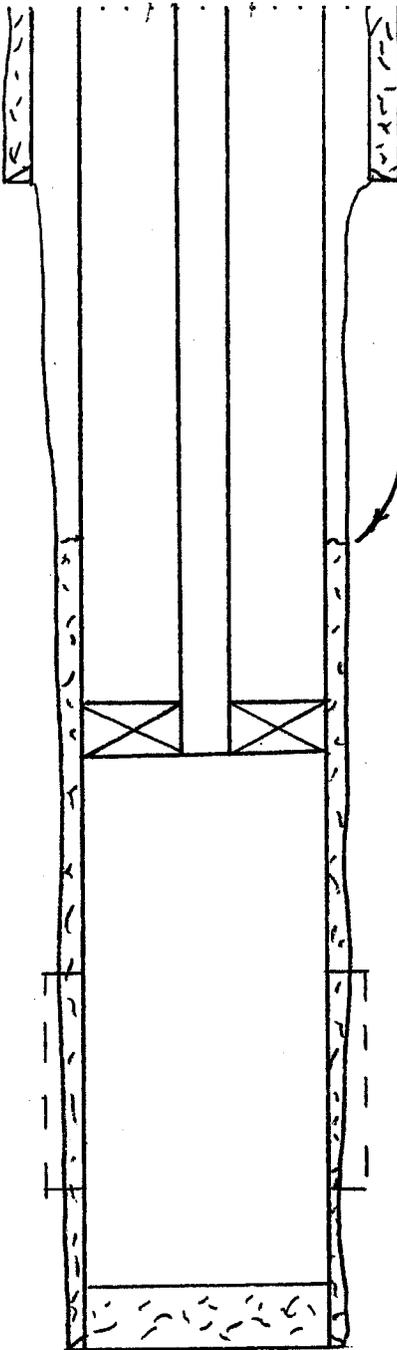
75 sx cmt plug top at 5630'. Fish below plug.

Hole size 8 3/4"

Total Depth: 6339'

Tops:

Tertiary	surf	
Kelvin		3345
Jurassic		4990





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

***CONDITIONS OF APPROVAL  
TO PLUG AND ABANDON WELL***

Well Name and Number: Aagard 28-2  
API Number: 43-043-30198  
Operator: Robert L. Bayless Producer  
Reference Document: Original Sundry Notice dated September 25, 2003,  
received by DOGM on September 29, 2003

Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. A 100' plug should be placed across the top of the Kelvin @  $\pm 3350'$  – inside and out ( $\pm 20$  sx inside,  $\pm 30$  sx out) – [Plug 1A]
3. All intervals between plugs shall be filled with noncorrosive fluid.
4. A minimum of 50' (10 sx) of cement should be placed on top of the CICR @ 590' (Proposed Plug 2).
5. All annuli shall be cemented from a minimum depth of 100' to the surface.
6. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.
7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
8. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 prior to continuing with the procedure.
9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet  
Petroleum Engineer

October 1, 2003

Date

# Wellbore Diagram

API Well No: 43-043-30198-00-00 Permit No: UIC-061 Well Name/No: AAGARD 28-2

Company Name: BAYLESS, ROBERT L PRODUCER

Location: Sec: 28 T: 3N R: 8E Spot: NENW

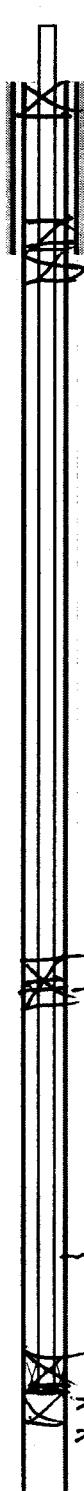
Coordinates: X: 495888 Y: 4535642

Field Name: AAGARD RANCH

County Name: SUMMIT

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacities
SURF	608	9.625	34#		Annular 5.726 f/cf
PROD	5016	7	26#		4.655 f/cf
T1	4632	2.875			
PKR	4632				



Cement from 608 ft. to surface

Surface: 9.625 in. @ 608 ft.

Hole: Unknown

Plug 3  
 $(20 \text{ sk}) (1.18) (4.655) = 110'$

26# 7" x 8 3/4" hole =  $\frac{((1.2)(8.75))^2 - 7^2}{133.54} = 0.3337$   
 $= 2.997 \text{ f/cf}$

Plug 2  
 $20' (1.18) (4.655) = 45 \text{ sk}$

$(46 \text{ sk}) (1.18) (5.726) = 310'$

Assume 100' TOC @ ±300'

$100' (1.18) (5.726) = 15 \text{ sk}$

20 sk Below min

20 sk on top min

$(30 \text{ sk}) (1.18) (4.655) = 165'$

TOC @ ±

$20 \text{ sk} = 110'$

### Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
SURF	608	0		
Prod.	5016	4250'		

### Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
4680	4927			

Add Plug @ T 3350  
 Plug 1A

Inside  $100' (1.18) (4.655) = 19 \text{ sk}$

Out  $100' (1.18) (2.997) = 29 \text{ sk}$

Total  $\pm 50 \text{ sk}$

### Formation Information

Formation	Depth	Formation	Depth
ECCC	1446		
WANSHP	2283		
KELVN	3345		
JRSC	4990		

TOC @ 4250'

Plug 1  
 $(10 \text{ sk}) (1.18) (4.655) = 55'$

Packer: @ 4632 ft.

Tubing: 2.875 in. @ 4632 ft.

4595'  
 Production: 7 in. @ 5016 ft.

4640'  
 4680'

4927'  
 Hole: Unknown

TD: 5008 TVD: PBD: 0

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <p align="center">FEE</p>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>WATER DISPOSAL</u>		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: ROBERT L. BAYLESS, PRODUCER		8. WELL NAME and NUMBER: AAGARD #28-2
3. ADDRESS OF OPERATOR: P.O. BOX 168 CITY FARMINGTON STATE NM ZIP 87499		9. API NUMBER: 43-043-30198
PHONE NUMBER: (505) 326-2659		10. FIELD AND POOL, OR WILDCAT: AAGARD RANCH FIEED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 582' FNL & 1950 RWL		COUNTY: SUMMIT
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NW SEC 28 T3N R8E		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THIS WELL IS NOW PLUGGED AND ABANDONED; SEE THE ATTACHED REPORT

NAME (PLEASE PRINT) <u>TOM MCCARTHY</u>	TITLE <u>ENGINEER</u>
SIGNATURE	DATE <u>12/1/03</u>

(This space for State use only)

RECEIVED

DEC 05 2003

**Robert L. Bayless**  
**Plug and Abandon Report**

**Aagard No. 2-28 SWD**

660' FNL & 1980' FWL, Section 28, T3N, R8E  
Summit County, Utah

11/17/2003: Move in and rig up Western Wellsite P and A equipment. Release lock set packer and trip out of hole with tubing and packer. Pick up cast iron bridge plug and trip in. Set prematurely at 60'. Rig up power swivel and pick up 1 4 3/4" drill collar. Mill out cast iron cement retainer. Trip in and chase to bottom. Pick up cement retainer and trip in to 4625'. Set cement retainer. Mix 20 sxs cement and squeeze 10 sxs below retainer. Spot 10 sxs on top of retainer. Trip out with 10 joints tubing and circulate hole with treated water. Trip out with tubing. Rig up wireline and perf squeeze holes at 3350'. Trip in with cement retainer.

11/18/2003: Set retainer at 3253'. Squeeze 40 sxs under retainer and spot 10 sxs on top of retainer. Trip out of hole. Rig up wireline and perforate squeeze holes at 610'. Trip in with cement retainer. Set retainer at 528'. Squeeze 40 sxs under retainer and spot 10 sxs on top of the retainer. Dig out and cut off well head. Place 110' 21 sx plug in 7" casing. Use 1" to place 100' 20 sx plug in annulus. Weld on cap over casings. Rig down and move out.

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

LOOK UP: OPERATOR NAME / ACCOUNT

>>>

LOOK UP: FIELD NAME / NUMBER

>>>

SEARCH KEYS (Enter desired keys and press 'Enter' or click on 'Search')

API NUMBER:  WELL NAME:   
 OPERATOR ACCOUNT:  WELL STATUS/TYPE:   
 FIELD NUMBER:  ENTITY NUMBER:   
 SECTION / TOWNSHIP / RANGE / MERIDIAN: 28 030N 080E S

4304330181 : AAGARD 28-1

1/3

SEARCH

CLEAR KEYS

PRINT ALL

EXPORT

GET ALL WELLS

API	WELL NAME	ACCOUNT	ALT-ADD	STATUS	WELL TYPE	FIELD	QTR/QTR	SEC	TWP	RNG	MERIDIAN	COUNTY	SU
4304330181	AAGARD 28-1	N9300	#	PA	OW	495 NWNW	28	030N	080E	S	SUMMIT	05	
4304330198	AAGARD 28-2	N9300	#	PA	WD	495 NENW	28	030N	080E	S	SUMMIT	05	
4304330224	AAGARD 28-3	N9300	#	PA	D	495 SWNW	28	030N	080E	S	SUMMIT	05	

Robert L. Bayless, Producer LLC

Oil & Gas Producer

P. O. Box 168  
Farmington, New Mexico 87499

FAX NO.  
(505) 326-6911

OFFICE NO.  
(505) 326-2659

October 10, 2007

Ms. Lisha Cordova  
Division of Oil, Gas and Mining  
1594 W. North Temple, Suite 1210  
Salt Lake City, Utah 84116

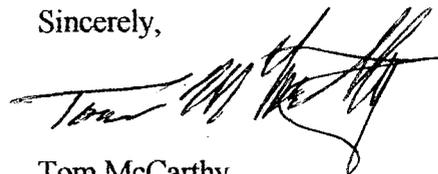
RE: Release of Liability  
Aagard 28-1 and 28-2  
Section 28, T3N, R8E  
Summit County, Utah

Dear Ms. Cordova,

Enclosed is a fully executed copy of our Surface Use and Damage Release for the subject wells. Thank you for your help with this project. Having finally accomplished this, we would like our bond released as it pertains to these wells.

Please call me if you have any questions.

Sincerely,



Tom McCarthy  
Engineer

RECEIVED  
OCT 15 2007  
DIV. OF OIL, GAS & MINING

**SURFACE USE AND DAMAGE RELEASE**

This SURFACE USE AND DAMAGE RELEASE made and entered as of, and to be effective from and after, the 24<sup>th</sup> day of September, 2007, by and between Welby K. Aagard Family LLC, as Grantor herein, whose address is PO Box 271, Moroni, Utah 84646, and Robert L. Bayless, Producer LLC, as Grantee herein, whose address is P. O. Box 168, Farmington, New Mexico, 87499.

WITNESSETH:

WHEREAS, Grantor represents and warrants that Grantor is the owner of the surface of the certain lands situate in the County of Summit, State of Utah, which are specifically described as follows, to-wit:

Township 3 North, Range 8 East  
Section 16: Lots 1-4, W/2NW/4, S/2  
Section 28: ALL

Being a total of 1136.06 acres, and

WHEREAS, the parties wish to agree upon the compensation to be paid to Grantor for surface use and for damage to or destruction of the surface of the above described tracts of land caused by Grantee in locating and producing oil and gas.

*KA*  
\$ 14,500

NOW THEREFORE, for the consideration of the sum of Fourteen thousand Five hundred paid herewith, the receipt and sufficiency of which are hereby acknowledged, agree that such compensation completes and fulfills any further obligation by Grantee to Grantor for the surface condition of the above described acreage.

**GRANTOR**

Welby K. Aagard Family LLC

By: *Welby K. Aagard*

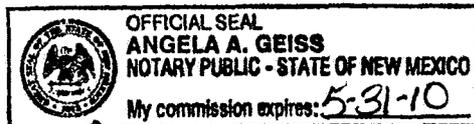
Title: *Manager*

**GRANTEE**

Robert L. Bayless, Producer LLC

By: *Robert L. Bayless*

Title: *Engineering Manager*



*Angela A. Geiss*

ACKNOWLEDGMENTS

Acknowledgment in representative capacity:

State of New Mexico )

) ss.

County of San Juan )

The foregoing instrument was acknowledged before me on this 10<sup>th</sup> day of October 20 07

by Tucker Bayless as Engineering Manager  
of \_\_\_\_\_

Robert L. Bayless, Producer LLC

(Seal, if any)



Angela A. Geiss  
Title (and Rank) Notary Public

My commission expires: 5-31-10

Individual Acknowledgment:

State of Utah )

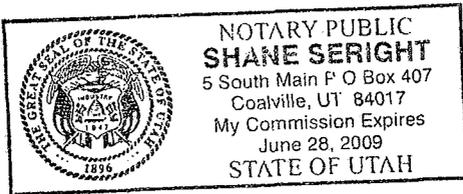
) ss.

County of Summit )

The foregoing instrument was acknowledged before me on this 3<sup>rd</sup> day of October 2007

by Kim Azgard

(Seal, if any)



Shane Seright  
Title (and Rank) Notary

My commission expires: 6/28/09

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Aagard 281 & 28-2

Suspense

Other

(Loc.) Sec 28 Twp 3N Rng 8E  
(API No.) 43-043-30181 & 30198

(Return Date) \_\_\_\_\_  
(To-Initials) \_\_\_\_\_

1. Date of Phone Call: 9/26/07 Time: 10:30

2. DOGM Employee (name) J. Carlson ( Initiated Call)

Talked to:

Name Kim Aagard ( Initiated Call) - Phone No. (435) 469-1184

of (Company/Organization) Landowners

3. Topic of Conversation: Bayless offer rec'd.

4. Highlights of Conversation:

offer of \$10,000 received & op. wants a total release of liability (no check, paperwork only).

Pipeline outfit working in area will do work for \$14,500 but cannot do before this winter.

Flare Const. cannot quote a reclaim cost to Mr. Aagard with pending quote to Bayless.

Bayless will increase offer to \$14,500 but wants a total release of liability.

Aagard willing to release surface reclaim liability but may not be willing to release total environmental liability. Tracking release.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Aagard 28-1 E. 28-2

Suspense

Other

(Loc.) Sec 28 Twp 34 Rng .8E

(Return Date) \_\_\_\_\_

(API No.) 43-043-30181 E. 30198

(To-Initials) \_\_\_\_\_

1. Date of Phone Call: 9/18/07 Time: 9:20

2. DOGM Employee (name) J. Cordova ( Initiated Call)

Talked to:

Name Tom McCarthy ( Initiated Call) - Phone No. (505) 326-2659

of (Company/Organization) Bayless, Robert LLC

3. Topic of Conversation: High cost estimate to fence & reseed well sites.

4. Highlights of Conversation:

Mr. McCarthy is planning to offer Mr. Aagard a cash settlement before the end of the month, and will notify Dofom of outcome.

9/20/07 Kim Aagard - Tom (Bayless) called Kim & said bid from Flare came back high, and told him he had put a check in the mail for him as settlement and will leave it up to him whether to accept it or not. Kim is going to get a bid from Flare to determine if check amt is acceptable. He will notify me with outcome.

9/25/07 Tom McCarthy/Bayless mailed check & release of liability form to Mr. Aagard. Awaiting response.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Aagard 28-1 E. 28-2

Suspense

Other

(Loc.) Sec 28 Twp 3N Rng. 8E  
(API No.) 43-043-30181 E. 30198

(Return Date) \_\_\_\_\_  
(To-Initials) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1. Date of Phone Call: 8/29/07 Time: 10:45

2. DOGM Employee (name) L. Cordova ( Initiated Call)

Talked to:

Name Kim Aagard ( Initiated Call) - Phone No. (435) 469-1184

of (Company/Organization) \_\_\_\_\_ (435) 336-2852 / Ranch

3. Topic of Conversation: Reclaim - unable to find a local company to do reclaim at well sites. Smaller companies taken over by "Big" companies that charge more.

4. Highlights of Conversation: \* LC will contact Tom McCarthy & refer to companies listed below.

Robinson Const. (Eric Robinson) (801) 376-8691

Jim Hill (307) 679-6902 \* Elkhorn Const.

Flare Const. (Paul Bagwell) 307-789-1979

\* Tom McCarthy (505) 326-2659 will follow-up.

1. Smooth Brome/adequat. (1-2 acres both wells included).

2. Fertilizer and/or topsoil.

3. Fencing (46-48" wire & quick base corners ok per landowner).

4. Seeding in September best, gets to wet in Oct.

**From:** Lisha Cordova  
**To:** trm@rlbayless.com *Tom McCarthy (505) 326-2659*  
**Date:** 8/28/2007 3:25:46 PM  
**Subject:** RE: Aagard 28-1 & Aagard 28-2 (S28, T3N, R8E, Summit County, Ut)

Mr. McCarthy,

Thank you for taking care of this matter so promptly, I really appreciate it. Please notify me when the work is completed so that I can inspect the site; then I will revisit the site in summer/fall 2008 to check on progress (unless you provide me with a landowner "Release of Liability").

>>> "Tom Mccarthy" <trm@rlbayless.com> 8/28/2007 1:31 PM >>>  
Ms Cordova,

I had a discussion with Kim Aagard a few minutes ago. The conclusion is that he will look around for someone local to seed and fence and then get back to me. Then we'll do it with smooth brome late this fall with fertilizer. Very nice conversation.

Tom McCarthy

-----Original Message-----

From: Lisha Cordova [<mailto:lishacordova@utah.gov>]  
Sent: Monday, August 27, 2007 2:33 PM  
To: [trm@rlbayless.com](mailto:trm@rlbayless.com)  
Subject: Aagard 28-1 & Aagard 28-2 (S28, T3N, R8E, Summit County, Ut)

Mr. McCarthy,

Attached are pics taken at the above referenced well sites on 8/17/07.

Please contact the landowner "Mr. Kim Aagard" at (435) 469-1184 to discuss reclamation efforts/progress.

Reclaim efforts/progress thus far does not meet the Divisions' minimum well site restoration requirements.

Aagard 28-1 (pics 001, 002, 004, & 005)  
Aagard 28-2 (pics 001, 002, 003)

In addition, please keep me informed of any additional work performed at the well sites so that I can monitor progress. If you are able to obtain a "Release of Liability" from the landowner, no further monitoring by the Division will be required.

Thank you, and if you have any questions please call.

Lisha Cordova, Petroleum Specialist  
Division of Oil, Gas and Mining  
1594 W. North Temple, Suite 1210  
Salt Lake City, Utah 84116  
(801) 538-5296  
[lishacordova@utah.gov](mailto:lishacordova@utah.gov)

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Agard 28-1 E. 28-2

Suspense

Other

(Loc.) Sec 28 Twp 3N Rng. 8E

(Return Date) \_\_\_\_\_

(API No.) 43-043-30181 E. 30198

(To-Initials) \_\_\_\_\_

1. Date of Phone Call: 8/22/07 Time: 3:15

2. DOGM Employee (name) J. Condore ( Initiated Call)

Talked to:

Name Robert Bayless ( Initiated Call) - Phone No. (303) 296-9900

of (Company/Organization) Bayless, Robert L Producer (H9300)

3. Topic of Conversation: Reclaim efforts

4. Highlights of Conversation: \_\_\_\_\_

Relayed status of reclaim efforts (8/17/07 insp), and  
landowner comments "Kim Agard not happy with progress  
thus far & would like additional reclaim".

Mr. Bayless will consult with their eng. "Tom McCarthy"  
(505) 326-2659 to determine next plan of action, and  
will notify Dosm of outcome.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File 28-1 & 28-2  
(PAID 11/2003)  
(Loc.) Sec 28 Twp 3N Rng 8E  
(API No.) 43043-30181 & 30198

Suspense  
(Return Date) \_\_\_\_\_  
(To-Initials) \_\_\_\_\_

Other  
\_\_\_\_\_  
\_\_\_\_\_

1. Date of Phone Call: 8/21/07 Time: 2:30

2. DOGM Employee (name) P. Candore ( Initiated Call)  
Talked to:  
Name Kim Agard ( Initiated Call) - Phone No. (435) 469-1184 cell #  
of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: Reclaim / reseed (by Flex Coast)

4. Highlights of Conversation: \_\_\_\_\_

8/17/07 DOGM onsite review; see pics.  
Mr. Agard not happy with results thus far.  
Bayless  
1) Provide copy of seed mix & quantity put down, & method used.  
2) Negotiate and/or provide add'l reclaim sites.  
w/landowner 8/22/07 Tom McCarthy (505) 326-2659 - No answer all morning.  
Agard \*Donald Pierce, Evanston Wyo.  
307-789-2716 (Fencing)  
1) 200-225 sheep leaved in area per year.  
2) Informed seed mix "smooth brome" (+75%), fencing to deter sheep,  
& spray noxious weeds "Russian Thistle".  
3) Reclaim, pipeline method "fill site, drill in seed mix & fertilize, cover  
with chopped straw to hold moisture, and fencing to deter wildlife".

Well Data

WELL SEARCH      WELL DATA      WELL HISTORY      WELL ACTIVITY

WELL NAME **AAGARD 28-2**      API NUMBER **4304330198**      WELL TYPE **WD**      WELL STATUS **PA**  
 OPERATOR **BAYLESS, ROBERT L PRODUCER**      ACCOUNT **N9300** #      OPERATOR APPROVED BY BLM / BIA   
 DESIGNATED OPERATOR \_\_\_\_\_      ACCOUNT \_\_\_\_\_  
 FIELD NAME **AAGARD RANCH**      FIELD NUMBER **495**      FIRST PRODUCTION \_\_\_\_\_      LA / PA DATE **11 18 2003**

**WELL LOCATION:**  
 SURF LOCATION **0582 FNL 1950 FWL**  
 Q. S. T. R. M. **NENW 28 03.0 N 08.0 E S**  
 COUNTY **SUMMIT**  
**UTM Coordinates:**  
 SURFACE - N **4535642.00**      BHL - N \_\_\_\_\_  
 SURFACE - E **495888.00**      BHL - E \_\_\_\_\_  
 LATITUDE **40.97384**  
 LONGITUDE **-111.04890**

CONFIDENTIAL FLAG       LEASE NUMBER **FEE**  
 CONFIDENTIAL DATE \_\_\_\_\_      MINERAL LEASE TYPE **4**  
 DIRECTIONAL | HORIZONTAL **D**      SURFACE OWNER TYPE **4**  
 HORIZONTAL LATERALS \_\_\_\_\_      INDIAN TRIBE \_\_\_\_\_  
 ORIGINAL FIELD TYPE **D**      C.A. NUMBER \_\_\_\_\_  
 WILDCAT TAX FLAG       UNIT NAME \_\_\_\_\_  
 CB-METHANE FLAG       **CUMULATIVE PRODUCTION:**  
 ELEVATION **7418 KB**      OIL **0**  
 BOND NUMBER / TYPE **141769447** **5**      GAS **38518**  
 WATER **45**

[WELL FILES](#)      [WELL PHOTOS](#)      [PROD. GRAPH](#)

COMMENTS **890306 FR N1310 12/88-890823 FR N1315.030828 1YR MIT EXT;LAST INJ 6/98:071015 LANDOWNERS RELEASE:**

[Create New Rec](#)      [Save](#)      [Cancel Change](#)      [To History](#)      [To Activity](#)      [Print Recd](#)      [Export Recd](#)      [↑](#) [↓](#)

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Aagard 28-1, 28-2, 28-3       Suspense       Other  
(Return Date) \_\_\_\_\_  
(Loc.) Sec 28 Twp 3N Rng. 8E      (To-Initials) \_\_\_\_\_  
(API No.) 43-043-30181  
43-043-30198  
43-043-30224

1. Date of Phone Call: 4/12/04 Time: 4:00
2. DOGM Employee (name) P. Cordova ( Initiated Call)  
Talked to:  
Name Kimberly Aagard ( Initiated Call) - Phone No. (435) 336-2852 or  
of (Company/Organization) Surface Owner 435-469-1184
3. Topic of Conversation: Reclamation "Aagard 28-1, 28-2, & 28-3"  
plugged 11/2003. Has operator "Robert Bayless" removed  
equipment & performed any reclamation/vegetation  
on locations?
4. Highlights of Conversation: msg. left.
- 28-1 4 storage tanks, Pumpjack, buildings, pit, & misc. garbage, etc.  
28-2 Shack/housing & pit  
28-3 Reclamation/vegetation only.
- Mr. Aagard does not want any rehab/reclamation May 10th - June 10th  
(Lambing season)  
Wants gravel road (all of it) on 28-1 location & building.  
Everything else can be removed & reclaimed.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Aagard 28-1, 28-2, 28-3

Suspense

Other

(Loc.) Sec 28 Twp 3N Rng 8E

(Return Date) \_\_\_\_\_

(API No.) 43-043-30181

(To-Initials) \_\_\_\_\_

43-043-30198

43-043-30224

1. Date of Phone Call: 4/13/04 Time: 4:25

2. DOGM Employee (name) J. Cordova ( Initiated Call)  
Talked to: \*Tom McCarthy \* 505-326-2659  
Name Robert Bayless ( Initiated Call) - Phone No. (303) 2969900  
of (Company/Organization) Bayless Robert L Producer

3. Topic of Conversation: Reclamation follow-up.  
(No work between 5-10-04 to 6-10-04 "Lambing Season".

4. Highlights of Conversation: \_\_\_\_\_  
msg. left to call me back 4/15/04.

Tom McCarthy is going to see that work gets done to remove remaining equipment from locations & that reclamation gets done. They prefer to wait until after June 10th "Lambing Season".

\* Kim Welby Aagard notified.  
6/30/04 Tom McCarthy 400 BBLs oily water needs to be taken to disposal pit. I referred him to PMI, LaPoint & others in Basin. <sup>Uinteh</sup>

7/104 Tom McCarthy - Fluid in tanks need to be hauled to a commercial facility, I referred him to operators in Duchesne/Uinteh.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Agard 28-1, 28-2, 28-3

Suspense

Other

(Loc.) Sec 28 Twp 34 Rng 8E

(Return Date) \_\_\_\_\_

(API No.) 43-043-30181

(To-Initials) \_\_\_\_\_

43-043-30198

43-043-30224

1. Date of Phone Call: 8/5/04 Time: 12:30

2. DOGM Employee (name) L. Cordova ( Initiated Call)

Talked to:

Name Kim Agard ( Initiated Call) - Phone No. (435) 336-2852  
435-469-1184  
of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: Reclamation progress?

4. Highlights of Conversation: \_\_\_\_\_

msg. left on ans. machine

1:00 Kim Agard Buildings & tanks have been removed  
except for one building that they want to keep.

He says there are (2) smaller bldgs. that belong to Mt. Fuel  
per "Bayless" still @ site. His atty. will check paperwork to  
see if easement for facilities is w/ Mt. Fuel or Bayless.

Bayless still needs to grade & recontour, seed, and address  
water structure, he does not know when they plan to come  
back.

\* I told him I would visit site, take pictures & contact  
Bayless for addl info. regarding reclamation.

**From:** Lisha Cordova  
**To:** Dan Jarvis 8/5/04  
**Subject:** Bayless/Aagard

I just spoke with Kim Aagard,

Buildings have been removed from the 2 wellsites, except for one that they want to keep.

Tanks & misc equipment have been removed.

2 other small buildings left, Bayless says they belong to Mt Fuel, Aagard will have their atty look into easement paperwork to see if Mt Fuel or Bayless is responsible party.

Site still needs to be graded & recontoured, seeded, and some water structure issues.

He's doesn't know when they plan on coming back.

I told him I would take a look at the site & contact Bayless to see when they plan to perform the additional work, I'll do that next week sometime.

\* Insp. planned for 8-10-04

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Aqard 28-1, 28-2, 28-3

Suspense

Other

(Loc.) Sec 28 Twp 34 Rng 8E

(Return Date) \_\_\_\_\_

(API No.) 43-043-30181

(To-Initials) \_\_\_\_\_

43-043-30198

43-043-30224

1. Date of Phone Call: 8/16/04 Time: 10:00

2. DOGM Employee (name) F. Cordova ( Initiated Call)

Talked to:

Name Tom McCarthy ( Initiated Call) - Phone No. (505) 326-2659

of (Company/Organization) Bayless, Robert F Producers

3. Topic of Conversation: Final reclamation, follow-up.

4. Highlights of Conversation:

Flare Const. doing the work at the sites. The used oil  
& produced water <sup>in tanks at 28-1</sup> was hauled to RN Industries. The  
tanks hauled off location. Final grading & seeding planned  
for fall 2004.

\* Bond release requested, final insp. will be set for fall  
2005, after seed. Regrowth needs to be established  
prior to bond release.

\* Kim Aqard notified.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File \_\_\_\_\_

Suspense

Other

(Loc.) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_

(Return Date) \_\_\_\_\_

(API No.) \_\_\_\_\_

(To-Initials) \_\_\_\_\_

1. Date of Phone Call: 9-28-04 Time: 10:00

2. DOGM Employee (name) J. Cardona ( Initiated Call)

Talked to:

Name Tom McCarthy ( Initiated Call) - Phone No. (505) 326-2659

of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: Agreed 28-1, 28-2, & 28-3 reclamation.

4. Highlights of Conversation: \_\_\_\_\_

Reclaim complete on all wells. All misc. parts removed from well sites, graded & seeded with seed mix from nearby pipeline reclaim.

No landowner release as of yet.

\* I plan to inspect within the next week, bond will not be released until revegetation is established or if landowner release is submitted.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Agard 28-1, 28-2, 28-3       Suspense       Other  
(Return Date) \_\_\_\_\_  
(Loc.) Sec 28 Twp 34 Rng 8E      (To-Initials) \_\_\_\_\_  
(API No.) 4304330181, 4304330198,  
4304330224

1. Date of Phone Call: 10/5/04      Time: 10:30

2. DOGM Employee (name) L. Cordova      (  Initiated Call )  
Talked to:  
Name Kim Agard      (  Initiated Call ) - Phone No. (435) 336-2852 or (435) 469-1184 (Punch #)  
of (Company/Organization) Landowners      435-436-8575 (Hm #)

3. Topic of Conversation: Reclamation not completed satisfactorily:  
(Land use is for grazing sheep & hunting). He is planning  
to submit a letter to DOGM stating the below requests.

4. Highlights of Conversation:  
Flare Const. performed work & did not consult with  
Uo on final grade & seed, etc.  
28-1 Remove misc. junk off well pad area. Flare ripped  
up soils & brought up alot of rocks, Uo wants regraded  
& rocks removed & seeded preferreably with smooth brom.  
28-2 Remove gravel, spread on roads ok, grade & seed.  
28-3 Remove guy line cable, grade & seed.

October 10, 2004

RECEIVED  
OCT 13 2004  
DIV. OF OIL, GAS & MINING

Attention: Lisha Cordova  
Division of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT 84116

Dear Lisha:

When you called me on October 5, I was surprised that Flare Construction and the oil producer had declared that the restoration of the sites of Aagard 28-1, 28-2 and 28-3 was completed. With the exception of one day in May of this year when I drove to the site and talked to Flare Construction's foreman and another call from the Flare people to ask if the producer could store their oil tanks on our property, I haven't been contacted this year about the cleanup and restoration.

After looking at the three sites, there are a few things that need to be completed to satisfy me as the landowner.

- 1) All three sites have cable left on them that needs to be removed.
- 2) The gravel where the oil tanks were placed on Aagard 28-1 needs to be hauled and placed on the road south of the site along with the gravel from Aagard 28-2 where the drilling pad was made. I will show the men where to put the gravel.
- 3) The circle road on Aagard 28-1 and the road leading down to Aagard 28-2 needs no attention and the gravel should stay in place on both roads.
- 4) In an attempt to rip the areas up to plant seed on Aagard 28-1, Flare Construction has brought an enormous amount of rock to the surface that was previously buried. The rock needs to be worked out of the soil and hauled off and new seed drilled into the soil this fall. I don't know what kind of seed was put in the area by Flare, but smooth brome is the seed we use on all of our restoration projects such as the Kern River Pipeline. Crested wheat seed is for cow operations, but smooth brome is for sheep and we are an exclusive sheep producer.

Ms. Lisha Cordova

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5) Aagard 28-2 needs the top soil that was stored north of the drilling pad replaced on the drilling pad after the gravel has been hauled off and seeded with smooth brome, both on the drilling pad and where the top soil has been stored. It isn't necessary to reshape the drilling pad area back to its original slope. It can remain flat.

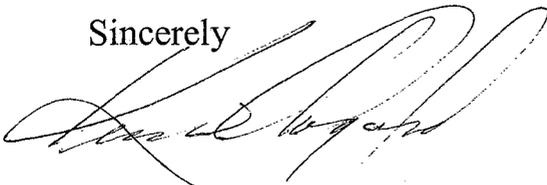
6) Aagard 28-3 needs a small amount of attention in leveling a few places where the well head was and where they took out the tiedowns for the drilling rig cables. Smooth brome seed should be put on these disturbed areas.

7) Mountain Fuel, now known as Questar, has left a small building on the job site of Aagard 28-1. My understanding is that the natural gas left over after the propane had been taken off of it was sold by the producer to Questar and that the producer arranged for the natural gas line from Aagard 28-1 to Questar's facility approximately two miles north to be installed and that it is the producer's responsibility to have this small building removed.

In order to not lose another year of grass production, I would hope that all of the finish work can be completed before winter sets in which usually is early November of 2004.

Thanks for your help in this.

Sincerely

A handwritten signature in black ink, appearing to read 'Kim Aagard', written in a cursive style.

Kim Aagard, Manager  
Welby K. Aagard Family L.C.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Agard 28-1, 28-2, 28-3       Suspense       Other  
(Return Date) \_\_\_\_\_  
(Loc.) Sec 28 Twp 3N Rng. 8E      (To-Initials) \_\_\_\_\_  
(API No.) 4304330181, 4304330198, \_\_\_\_\_  
4304330224 \_\_\_\_\_

1. Date of Phone Call: 10/19/04      Time: 10:00

2. DOGM Employee (name) J. Cordova      (  Initiated Call )  
Talked to: from RLBuyless.com  
Name Tom McCarthy      (  Initiated Call ) - Phone No. (505) 326-2659  
of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: Add'l reclaim needed. Landowner letter  
rec'd 10/13/04 not satisfied w/ reclaim.  
# LC insp. 10/01/04

4. Highlights of Conversation: \_\_\_\_\_  
msg. ans. machine (fax letter & photos taken 10/01/04) 505-326-6911 fax  
4:00 Mr. McCarthy will follow-up on reclaim issue's faxed  
copy of letter dated 10/10/04 & insp. photos.  
10/20/04 9:00 Mr. McCarthy trying to take care of removing  
guy lines, etc. from locations & move gravel from pads (28-2, 28-1)  
& spread gravel on roads. Give him Questars Coalville  
contact & phone # for removal of small bldg. @ 28-1.  
May not be able to address grade & seed @ 28-1 & 28-2 until  
next spring "2005". He will contact 40 Kim Agard.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Agard 28-1, 28-2, 28-3       Suspense       Other  
(Return Date) \_\_\_\_\_  
(Loc.) Sec 28 Twp 3N Rng 8E      (To-Initials) \_\_\_\_\_  
(API No.) 4304330181, 4304330198, \_\_\_\_\_  
4304330224 \_\_\_\_\_

1. Date of Phone Call: 10/26/04 Time: 4:20

2. DOGM Employee (name) P. Cordova ( Initiated Call)  
Talked to:  
Name Kim Agard ( Initiated Call) - Phone No. (435) 336-2852  
of (Company/Organization) Landowners

3. Topic of Conversation: Reclaim ops.

4. Highlights of Conversation:

Kim met with Flare Const. 10/22/04, they plan to do the  
addl work requested by Kim in letter dated 10/10/04, per  
OK from Robert Bayless. May not be able to finish until Spring 05.

wrong seed mix was put down at 28-1, when Flare works  
out the big rocks brought to surface during grade, they  
will put down a smooth brome mix - ok per landowners.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Aagard 28-1, 28-2, 28-3

Suspense

Other

(Loc.) Sec 28 Twp 34 Rng. 8E

(Return Date) \_\_\_\_\_

(API No.) 43043-30181

(To-Initials) \_\_\_\_\_

" 30198  
" 30224

1. Date of Phone Call: 6/24/05 Time: 4:30

2. DOGM Employee (name) J. Cordova ( Initiated Call)  
Talked to:  
Name Kim Aagard ( Initiated Call) - Phone No. (435) 336-2852  
of (Company/Organization) Landowners / Robert Bayless Prod.

3. Topic of Conversation: Site reclamation follow-up.

4. Highlights of Conversation:  
Flare Const. has cleaned up the rocks @ 28-1, and cable & remaining  
junk from the sites. The gravel from the 28-2 site has  
been moved to the access roads. Topsoil from the 28-2  
site is being spread over the well sites/pads. The  
sites will be reseeded with smooth brome as requested  
by Kim Aagard (herds sheep). Questar has contacted him  
to remove the building/shack from the 28-1 site.  
Mr. Aagard will contact me when reclaims is completed & seeded  
for insp., he wants to make sure regrowth is established  
before he releases op. from liability.  
6/29/05 Kim Aagard / Flare Const., 3 cattle guards to be cleaned up.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Agard 28-1, 28-2, 28-3

Suspense

Other

(Loc.) Sec 28 Twp 3N Rng 8E

(Return Date) \_\_\_\_\_

(API No.) 43-043-30181, 43-043-30198,  
43-043-30224

(To-Initials) \_\_\_\_\_

1. Date of Phone Call: 7-27-05 Time: 10:20

2. DOGM Employee (name) J. Cordova ( Initiated Call)

Talked to:

Name Kim Agard ( Initiated Call) - Phone No. (435) 336-2852

of (Company/Organization) Land Owner

3. Topic of Conversation: Reclaim follow-up.

4. Highlights of Conversation:

Flare Const - Rod Bagnell 435-336-2888

Plan to reseed in the fall 2005 "late Sept. to Oct."

Questar - Steve Robinson 435-336-5611 or 801-324-4600

meter station & above ground piping will be removed in  
Sept. 05, the line will be purged & sealed off. They will  
coordinate work w/ Flare Const. so that area gets reseeded  
& will make sure Mr. Agard is kept in the loop.