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SCANNED

Gear Drilling
#1 Fassler
720 fel x 1980 fsl (NE SE)
Section 28, T. 2 N., R. 53 W.
Washington Co, CO

June 21, 1993

Neal La Fon, Geologist

ALL

RESUME

Operator: Gear Drilling

Well: #1 Fassler

Location: 720 fel x 1980 fsl (NE SE) section 28 T. 2 N., R.
53 W., Washington, Co., Colorado

Elevations: G.L. 4635
K.B. 4645

Spud date: June 16, 1993

Completed drilling: June 20, 1993

Surface casing: 5 jts. 200' of 8 5/8 set to 210' K.B. with
120 sxs cmt 3% CaCl.

Logs: Atlas Wireline (Dresser/Atlas)

Total Depth: Driller 4950
Logger 4947

Drill stems tests: None

Results: Plugged and abandoned

Plug: Permission to plug given by Morris Bell, Colorado
Oil and Gas Commission, June 20, 1993, 40 sxs bottom
surface casing, 10 sxs top surface casing, capped and
cut off 4 feet below ground.

Contractor: Gear Drilling

Geologist: Neal La Fon

FORMATION TOPS

	Gear Drilling #1 Fassler		Newport #42-28 Fassler (N. offset)		Doheny #3-D Fassler (W. offset)	
Niobrara	3855	+790			3882	+771
Carlile	4326	+319	4353	+299	4362	+291
Greenhorn	4423	+222	4450	+202	4459	+194
Bentonite	4654	- 9	4680	- 28	4690	- 37
D ₁ sand	4744	- 99	4763	-111	4781	-128
D channel	4760	-115	4783	-131	4794	-141
J ₁	4815	-170	4848	-196	4867	-214
J ₂	4834	-189	4857	-205	4876	-223
J _M	4844	-199	4880	-228	4899	-246

SAMPLE DESCRIPTIONS (LAGGED)

D ₁ sandstone	4745-4750	Ss, gray, vf grn, tr black carb grns, some clean, some with white clay fill, all fri, gd porosity, NO SHOW.
	4752-4760	50% Ss, lt. gray, f grn, well sorted/rounded, clean, lt stn, exc fluor, gd cut, v fri, exc p and p , SHOW OF OIL, some ss a/a except show sl spotty, sli fri, poor p and p.
		50% Ss, wt, vf grn, few pieces clean but most full of white clay fill, all fri-v. fri, NO SHOW.
D channel	4761-4768	50% Ss, lt gray-white, vf grn, dirty looking with carb

laminations, most with clay fill,
NO SHOW.

50% SS, a/a, no carb, clean sl fri,
fair p and p, NO SHOW.

4769-4773 Ss, white, vf grn, no carb
laminations but more clay fill,
fri, gd p and p, NO SHOW.

4774-4779 Ss, white, vf grn a/a except silty
looking, hard to sl fri, poor to
fair p and p, NO SHOW.

4780-4786 Ss, wt, f grn, well sorted/rounded,
hard to sl fri, poor to fair p
and p, NO SHOW.

J₁ 4814-4821 Ss, white, f grn, clean, well
sorted/rounded, with tr patchy
clay fill; 1/2 NO SHOW, 1/2 with
gd bright yellow fluor, fri, fair
p and p, SHOW OF OIL.

J₂ 4822-4830 50% Ss, gray, f grn, salt/pepper,
well sorted/rounded, except for
abun white clay fill, no perm, NO
SHOW.

50% SS, a/a, except with SHOW OF
OIL, some with clay fill, spotty
fluor, poor cut, some
dirty/silty, hard, poor p and p,
with spotty fluor, some clean, v
fri, exc p and p, with exc bright
yellow fluor, exc cut.

J_M 4844-4850 Ss, gray, f grn, full of clay
fill, carb grns/debris, 1/2 with
spotty fluor, 1/2 NO SHOW.

4850-4868 Ss, white, f grn, clean, fri, gd p
and p, NO SHOW, some with white
clay fill.

4878-4900 Ss, a/a, some clean some with
white clay fill, all fri, NO
SHOW.

4910-4950 Ss, white, "sugar ss", f grn, v
fri, some white clay fill, well
sorted/rounded, exc p and p, NO
SHOW.

BIT RECORD

1	Smith 7 7/8	FDS	out at 4440	made 4225
2	Hughes 7 7/8	ATJ-1	out at 4630	made 190
3	Smith 7 7/8	FDST	out at 4810	made 180
4	Hughes 7 7/8	FDST	out at 4950	made 140

DEVIATIONS

1/4° @ 512	1/2° @ 1004	3/4° @ 1528
3/4° @ 2021	3/4° @ 2545	1° @ 3007
1° @ 3504	1 1/4° @ 3808	1 1/4° @ 4440
1° @ 4950		

MUD RECORD

6/19/93 @4658	wt 9.7	vis 32	mc 2/32	wl 13.6
6/19/93 @4720	wt 9.3	vis 36	mc 2/32	wl 9.6

COMMENTS

This well ran structurally high to the north and west offsets which produced oil from the D sand channel. Unfortunately we did not have good quality sand development that we had hoped for. The logs show the zone to be ratty and tight. Good shows, although in poor quality reservoir rock, were seen in the J₁ and J₂ sand. The log indicates these two zones to be tight and unproductive.