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COLO. OIL &amp; GAS CONS. COMM.

#18-1 HAMIL BROS.  
SW NE Sec. 18, T9N-R52W  
Logan County, Colorado  
Exeter Rig #5  
Pusher - Tom Monroe

Surface - 5 joints 8 5/8" - 164' - set @ 174

Strap 4673.97

4675.67 Board

Diff. 1.70 higher

Mud

<u>Depth</u>	<u>Weight</u>	<u>Vis.</u>	<u>Water Loss</u>
3820	8.9	32	
4665	9.8	43	
4796	9.7	78	
4939	9.7	48	4.8

Bit Record

	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth out</u>	<u>Feet</u>	<u>Hrs.</u>	<u>Dev.</u>
1A	12 $\frac{1}{4}$	Smith	DTJ	184	184	1 $\frac{1}{2}$	1 $\frac{1}{4}$ <sup>0</sup>
1	7 7/8	Smith	DTJ	3820	3636	25 3/4	
2	7 7/8	Smith	DTJ	4665	845	16 3/4	1 $\frac{1}{2}$ <sup>0</sup>
3	7 7/8	HTC	J-22	4796	131	7	1 $\frac{1}{4}$ <sup>0</sup>
4	7 7/8	HTC	J-22	4997	201		

E Log Tops

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Niobrara	3786	+204
Ft. Hayes	4066	- 76
Codell	4110	-120
Carlile	4116	-126
Greenhorn	4338	-348
Bentonite	4462	-472
"D" Silt	4558	-568
"D" Sand	4556	-576
"J" Silt	4652	-662
"J" (1) Sand	4674	-684
"J" (2) Sand	4702	-712
"J" (3) Sand	4728	-738
"M" Sand	4904	-914
"O" Sand	4960	-970



#18-1 HAMIL PROS.  
SW NE Sec. 18, T9N-R52W  
Logan County, Colo.  
Elev. 3980' Gr. Est.

D.S.T. Record

D.S.T. #1  
4670-4725

Rec. 210' slty. oil cut hvly. gas cut mud, 120'  
hvly gas cut & sli. mud cut oil, 450' water w/sli.  
trace of oil, RW 1.61 @ 75°, 3500 PPM, Op. 15 min.  
good blow, closed 30 min., Op. 70 min. good blow,  
no blow in 60 min., gas to surf. in 55 min., closed  
45 min., IH 2393, FIF 224, FFF 155, FISI 980, SIF  
190, SFF 289, SFSI 878, FH 2337.

A

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Exeter Rig #5  
Elev. 3980' Gr. Est.

3810'	Dk. gry. fiss. sh., v. bent.
3840'	W/sli. amt. tan slt. & pyr.
3870'	Dk. brn. speckled sh. (Niobrara)
3900'	Grading to lt. tan speckled sh.
3930'	Very finely disseminated lt. tan sh.
3940'	Speckled Niobrara sh., no vis. stn., fluor. or cut
3960'	Inc. amt. dk. gry. fiss. sh.
3990'	As above
4020'	Inc. amt. speckled sh.
4050'	As above
4080'	No spl.
4110'	Inc. amt. lt. tan speckled sh.
4140'	As above w/v.v.f.g.ss. (Codell)
4170'	Dk. gry. fiss. sh. w/wh. bent.
4200'	Inbd. w/dns. brn. ls.
4230'	As above
4250'	Inbd. w/v.f.g. zones of bent. & v.f.g. slty sd.st.
4290'	Inc. amt. slt. & sd.st.
4320'	Inc. amt. dk. gry. sltst. w/inoc. prisms
4350'	Dk. gry. fiss. sh. w/pyr.
4380'	As above, inc. sdy. & lmy.
4410'	Dk. gry. slty. fiss. sh.
4430'	W/bent.
4440'	Dk. brn. dns. ls. & blk. fiss. sh.



- 4460' Dk. gry. fiss. sh.
- 4480' As above
- 4510' Inc. amt. bent.
- 4540' Dk. gry. fiss. sh.
- 4550' As above w/fish scales
- 4558' Drlg. brk. - "D" silt
- 4560' Dk. gry. fiss. sh.
- 4568' "D" sand
- 4570' Ss., v.f.g., g.p.&p., no vis. stn., no fluor., sli. cut,  
blk. fiss. sh.
- Circ. 1 hr. - Sltst w/v.f.g. ss. stringers w/bent., no  
stain or odor, sli. cut & fluor., ss. inc. p.&p. w/sli.  
amt. dead oil stn., sli. cut.
- 4580' Ss., v.f.g., sli. fluor in thin ss. streak, dk gry. fiss.  
sh.
- Circ. 1 hr. - Ss., v.f.g. w/dead oil stn., no odor, sli.  
fluor., no cut.
- 4590' Dk. gry. fiss. sh. as above
- Circ. 1 hr. - Inbd. v.f.g. ss. lenses & bent. sh., ss. has  
no fluor., stn. or cut.
- 4600' As above
- 4610' As above w/bent. lenses
- 4620' As above
- 4630' Inc. slty. & shly.
- 4640' As above
- 4643' "J" silt
- 4650' Drlg. brk.
- As above w/bent.
- 4660' Dk. gry. fiss. sh.
- 4664' Drlg. brk.



- 4665' Sur.  $1\frac{1}{2}^{\circ}$
- 4670' Inc. slty. w/pyr.
- 4675' "J" sand
- 4680' As above w/bent. & inoc. prisms
- 4690' No spl.
- 4700' Ss., v.f.g.-f.g., hd. & tite, sli.amt. dead oil stn.,  
inbd. w/blk. fiss. sh.
- 4710' Ss. as above
- Circ. 1 hr. - Ss., v.f.g., sli. p.&p., no vis. stn., sli.  
cut, no fluor.
- 4720' Inbd. w/blk. fiss. sh., sli. inc. in p.&p., sli. amt.  
vis. stn. & fluor.
- 4730' Ss., v.f.g., sli.-f. p.&p., some dead oil stn.
- Circ. 1 hr. - Ss., v.f.g., sli. p.&p., sli. vis. stn.,  
fluor. & cut.
- 4740' Ss., inc. p.&p., no fluor.-sli. fluor.
- 4750' Ss., wh., v.f.g., f.-g. p.&p., no vis.stn. or fluor.
- 4760' As above
- 4770' Sli. inc. in slt.
- 4780' As above
- 4790' Ss., v.f.g., slty. qtz., no show
- 4796' Circ. 1 hr. 15" - Ss., tite, v. sli. p.&p., no vis. stn.,  
odor or fluor.
- Sur.  $1\frac{1}{4}^{\circ}$
- 4800' Dk. gry. fiss. sh.
- 4810' As above w/inoc. prisms
- 4820' As above
- 4830' W/thin lenses of v.f.g. slty. ss., no p.&p., no stn.
- 4840' Blk. fiss. sh.



4850' Dk. gry. fiss. sh.  
 4860' As above  
 4870' W/inoc. prisms & pyr.  
 4880' As above  
 4890' Inc. amt. pyr.  
 4900' As above  
 4905' Drlg. brk. - "M" sand  
 4910' Sli. amt. dk. brn. sh.  
 4920' As above w/pyr.  
 4930' Inbd. dk. brn. blocky sh. & blk. fiss. sh. w/pyr.  
 Circ. 1 hr. - Ss., v.f.g., sli.-no p.&p., no fluor., stn.,  
 odor or cut.  
 4940' Blk. fiss. sh.  
 4950' As above  
 4954' Drlg. brk. - "O" sand  
 4960' Ss., f.g., sli. vis. stn., sli. cut.  
 4965' Circ. 1 hr. - Ss., f.g., f.-g. p.&p., no vis. stn., odor, or  
 fluor., sli. cut.  
 4970' Blk. fiss. sh. inbd. w/thin ss. lenses  
 4980' As above, sli. inc. in ss., sli. vis. stn. & cut  
 4990' As above  
 4997' T.D.