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COLO. OIL & GAS CONS. COMM.

WEBB RESOURCES, INC.

#5-1 Nigrelle

C NE NE Section 5

Township 3 South, Range 64 West

Adams County, Colorado

GEOLOGICAL REPORT

DVR	
FJP	
HHM	✓
JAM	✓
JJD	
GCH	✓
CGM	

E. Bud Hines  
Geologist  
351 So. Pennsylvania  
Denver, Colorado 80209

May, 1975

*file*

OPERATOR: Webb Resources, Inc.

WELL NAME: No. 5-1 Nigrelle

LOCATION: C NE NE Sec. 5-3S-64W  
Adams County, Colorado

TYPE TEST: Field well in Bear Gulch Area

ELEVATION: G.L. 5368'

SURFACE CASING: Ran 6 joints, 8-5/8", 20#, K-55  
ST & C casing. (200.52') Cemented  
at 211' KB with 200 sacks regular  
with 3% C.C. Plug down at 6:30 P.M.  
5/10/75.

SPUD DATE: May 10, 1975

CEASED DRILLING: May 23, 1975.

CONTRACTOR: Webb drilled with Rig W-10  
Wendell Tekell, Toolpusher  
Mssrs. Tosh Krog, Edward Pilcher,  
Charles Greenwood, & Cole Thomas,  
drillers.

CORES: None

DRILL STEM TEST: None

TOTAL DEPTH: Driller - 8420', Logger - 8421'

LOGS: Dresser Atlas ( IES & Density)

LOG ANALYSIS: See attachment

FINAL DISPOSTION: Ran pipe to attempt completion

DRILL TIME PLOT: See attachment.

WELL HISTORY

5-11-75            Drilling at 500'. Spudded at 2:00 P.M. - 5/10/75.  
Ran 6 joints, 8-5/8", 20#, K-55 ST & C Casing  
(200.52'). Cemented at 211' KB with 200 sacks  
regular with 3% C.C. Plug down at 6:30 P.M.  
5/10/75.

5-12-75            Drilling at 2900'.

5-13-75            Drilling at 4148'.

5-14-75            Drilling at 5324'.

5-15-75            Drilling at 6107'.

5-16-75            Drilling at 6890'.

5-17-75            Drilling at 7553'.

5-18-75            Drilling at 7925'.

5-19-75            Tripping at 8056'.

5-20-75            Drilling at 8152'.

5-21-75            Drilling at 8283'.

5-22-75            Drilling at 8412'.

5-23-75            8420' Laying down drillpipe. (Ran logs)  
Will run casing to attempt completion in "D"  
and "J" sands.

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BIT & DEVIATION RECORD

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>DEPTH OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>	<u>DEVIATION</u>
1	7 7/8	Sec	S3J	2375'	2155'	17 1/4	3/4°
2	7 7/8	Smith	DTJ	4000'	1625'	17 1/2	3/4°
3	7 7/8	Smith	DTJ	4863'	863'	10	1/4°
4	7 7/8	Smith	DTJ	5425'	562'	10 1/4	3/4°
5	7 7/8	Smith	DTJ	6100'	675'	11 1/4	1 °
6	7 7/8	Smith	DTJ	6847'	747'	14	3/4°
7	7 7/8	Smith	DTJ	7513'	666'	16 1/4	3 °
8	7 7/8	Smith	DTJ	7762'	249'	10 1/4	2 °
9	7 7/8	Smith	DTJ	7952'	190'	7 3/4	1 °
10	7 7/8	H.T.C.	OD4-J	8056'	104'	13 1/4	1 1/2°
11	7 7/8	Smith	F-5	8420'	364'	63 3/4	

LOG CALCULATIONS ON NIGRELLE NO. 5-1  
BY Sorenson of Schlumberger

<u>EL DEPTHS*</u>	<u>R<sub>t</sub></u>	<u>%Ø</u>	<u>%S<sub>w</sub></u>	<u>R<sub>w</sub> = .1</u>
D - 8025-29	20	9.5	72	
D - 8031-36	24 max (20 min)	12 max	51	
D - 8039-42	20 max	5	tight	
J - 8093-98	27	11 max (10 avg)	52	
NDG - 8108-11	8 rind (17 corr) too thin for rind	14	52	R <sub>t</sub> indicates high clay
J - 8113-16	24	6	tight	
J - 8117-20	29	14	39	
J - 8120-23	20 avg	9 avg	76 (poss tight)	
J - 8130-33	17	6	tight	
J - 8134-36	11	12	80	
K <sub>d</sub> - 8288-94	25	6	tight	
K <sub>d</sub> - 8294-98	6	7	tight	
K <sub>d</sub> - 8331-36	6	13	92	

\* Field Prints of Density & Cross Plot,  
shifted off scale vertically by 2'.  
Final Prints to be corrected.

FORMATION TOPS

<u>Formation</u>	<u>Depth</u>	<u>Elevation</u>
Fox Hills	1410'	
Niobrara	7285'	
Greenhorn	7710'	
Bentonite Marker	7908'	
"D" Sand	8008'	- 2632'
"J" Sand	8060'	- 2684'
Dakota	8218'	- 2842'
Morrison	8365'	
Total Depth	8420' (Drillers)	
Total Depth	8421' (Loggers)	



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### SAMPLE DESCRIPTIONS

7960-7970	Shale & Siltstone, gray and fractured.
7970-7980	As above, and pyritic with bentonite.
7980-7990	As above.
7990-8000	As above.
8000-8010	Siltstone, gray and sandy (loose), with traces <u>sandstone</u> , light gray, very fine, clay filled. No Shows.
8010-8120	Siltstone, gray and sandy (loose), with shale, gray and pyritic.
8020-8030	Shale, dark gray, with taces siltstone.
8030-8040	Siltstone, gray, sandy, loose, showing bright fluorescence and residue ring, with shale, as above.
8040-8050	Siltstone, as above, with <u>sandstone</u> , very fine, sub angular to sub rounded, silty, poorly sorted possibly showing light stain in part with definate live fluorescence and cut and residue ring.
8050-8055	As above, with shale stringers.
8055-8060	As above, with some clay filled. Continued possible light staining, but duller fluorescence with grease ring.
8060-8080	Siltstone, sandy with shale, and traces of <u>sandstone</u> , as above, showing as above.
808-8090	Shale, mostly with some siltstone, firm to siliceous, and traces of <u>sandstone</u> , as above, but no shows.
8090-8100	<u>Sandstone</u> , black, hard and sharp, (siliceous), with <u>sandstone</u> , as above, i.e. gray, fine to very fine, sub angular to somewhat clay filled, showing dull spotted fluorescence with siltstone, hard and sharp.

Sample Descriptions

Continued

- 8100-8110 Siltstone, as above, with sandstone, various some hard and sharp, and very angular with fair fluorescence and grease ring.
- 8110-8120 Sandstone, very fine to fine, hard, gray, sub angular, somewhat clay filled, showing dull fluorescence with fair cut, with siltstone, sandy.
- 8120-8130 As above, with bright fluorescence, and good cut.
- 8130-8140 Sandstone, various with siltstone, sandy, and no shows.
- 8140-8150 Sandstone, various, very fine to medium, sub rounded to sub angular, fairly clean to clay filled, friable to hard and siliceous, showing very dull fluorescence but with definite yellow cut!, with siltstone, sandy, and some fracture signs.
- 8150-8160 Continueing as above, showing as above.
- 8160-8170 Mostly shale, with some siltstone and sandstone, as above, but no shows.
- 8170-8180 As above, and fractured.
- 8180-8190 Shale, mostly traces siltstone.
- 8190-8200 Shale, micaceous with siltstone, sandy and traces sandstone, as above.
- 8200-8210 As above, and fractured.
- 8210-8220 Shale, and siltstone, with continueing lesser amounts of sandstone, as above, including some black glassy dull fluorescence, and halo cut. (cavings?) Also traces tan dolomite.
- 8220-8230 Shale, and siltstone, and some sandstone, as above, with traces tan pyritic dolomite.
- 8230-8240 Siltstone, and sandstone, fine, hard and siliceous, and tight. No Shows.



Sample Descriptions  
Continued

- 8240-8250 As above.
- 8250-8260 Shale, dark gray, siltstone, light, gray and hard, traces sandstone, hard and tight.
- 8260-8270 As above, with traces tan mudstone.
- 8270-8280 Shale, pyritic, and hard, with siltstone, siliceous and hard, some sandstone, hard, pyritic and siliceous, (tight).
- 8280-8290 Sandstone, light gray, very fine to fine, firm to hard, and siliceous, no shows.
- 8290-8300 Sandstone, as above, and siltstone, gray and sandy, becoming shaley.
- 8300-8310 As above, with some sandstone, medium, firm, and well sorted, no shows.
- 8310-8320 Mostly shale, with some siltstone and sandstone, as above, and pyritic.
- 8320-8330 As above, with streaks of chalky siltstone.
- 8330-8340 Shale, pyritic and hard, with siltstone, gray and sandy, and some sandstone, as above. No shows.
- 8340-8350 As above, and fractured.
- 8350-8360 As above, and chalky siltstone.
- 8360-8370 Sandstone, white, medium sub angular to sub rounded, firm to friable, porous.
- 8370-8380 Sandstone, as above, with sandstone siliceous and hard and pyritic, with siltstone, and shale.
- 8380-8390 Continueing as above, with some shale, traces varicolored like yellow waxy and brick red & tan limey mudstone.
- 8390-8400 As above, including trace green waxy,
- 8400-8410 Shale, mostly dark gray, some green waxy and some white bentonite and micaceous with siltstone.
- 8410-8420 As above.