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JAN 24 1996
COLO. DEPT. OF REVENUE COMM.



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GEOLOGICAL WELL REPORT

**EDWARD MIKE DAVIS
#13-31 BOLLISH**

**NW SW Section 31 - T9N - R52W
LOGAN COUNTY, COLORADO**



00976373

SYNOPSIS OF WELL HISTORY

DRILLING CONTRACTOR - ASHBY DRILLING CO.

Toolpusher - Tim Jones

COMPLETION DATE 1-6-96

RESULTS Plugged and abandoned

**SURFACE CASING 8 5/8"x32 Casing set at 145 ft.
Kelly Bushing Measurements**

**ELEVATION 4118 KB
4108 Ground**

**TOTAL DEPTH 4919 Driller
4916 Logger**

DRILLING FLUID Low ph, Polymer-Gel

**DRILLING FLUID CO. Quality Engineering Co.
Engineer Fred Rothauge**

**ELECTRIC LOGS Schlumberger
Engineer Jim Martin**

**Dual Induction-SFL 140 ft. to 4916
Density Gamma Ray 3868ft. to 4885**

CHRONOLOGICAL WELL HISTORY

- 1-2-96 Started moving in material @7:00AM-Spud well at 2:15PM-Drilled 145ft. of 12 1/4" Surface Hole in 2 hours and 30 minutes-Started running 3 jts. of 8 5/8"x32 Surface Casing at 4:45PM-Cemented with 85 sacks Neat Cement-3% calcium chloride 1/4 floceal per sack-good returns-Plug down at 6:00PM
- 1-3-96 Drill out plug at 2:00AM-Drilling at 7 7/8" Main Hole
- 1-4-96 Drilling at 3835ft. at 7:00AM-Mud-up from 6:30AM to 8:00AM-Repair clutch at 4414ft. from 4:30PM to 9:00PM
- 1-5-96 Drilled to 4680ft. by 2:30AM-Started circulating mixing mud prior to drilling the "D" Sand-Made Long trip for bit change-On bottom drilling at 12:00noon-Top of "D" Sand at 4704 at 2:15PM Drilled to 4710 and circulated samples up for 1 hour-Continued to drill ahead
- 1-6-96 Drilling at 4890 at 7:00AM-Total Depth of 4919 reached at 12:00noon-Short trip 12:00PM to 1:30PM-Circulated from 1:30PM to 3:00PM-Long trip for logs from 3:00PM to 5:00PM-Prepare to log at 5:30PM-Finish logging at 10:00PM-Prepare to plug and abandon

FORMATION TOPS

NIOBRARA	3820
FORT HAYS	4176
CARLILE	4224
GREENHORN	4367
BROWN LIME	4597
"D" SAND	4694
"J" SAND	4808
TOTAL DEPTH	
Driller	4919
Logger	4916
ELEVATION	
Ground	4108
Kelly Bushing	4118

SAMPLE DESCRIPTION

"D" SAND

4694-4716(22') Sandstone fine grain to silty, gray some light gray, very poor porosity, no fluorescence, no show interbedded with dark gray shale.

4716-4738(22') Sandstone fine grain light gray, quartzose, good porosity, no show, no fluorescence.

"J" SAND

4808-4916(108') Sandstone and shale interbedded, sandstone silty to fine grain, gray, tight to very slight porosity in part, no show, no fluorescence, extremely poor quality reservoir sand

CONCLUSION

The "D" Sand channel expected in the upper part of the sand section was not found; nor was, quality reservoir sand found in the second and third benches of the "J" Sand. These three sands were the bases of this prospect. Stucturally the prospect was lower than expected.

SURVEYS

Depth	Degrees
1474	3/4°
2097	1°
2563	1 1/4°
2965	1 1/4°
3526	1 1/2°

BIT RECORD

Number	Make	Size	Type	Interval	Hours
1	STC	12 1/4"	DT	Surface-145ft.	2 1/2
2	Reed	7 7/8"	D3205	145ft-4680ft	38
3	STC	7 7/8"	F-17	4680ft-4919ft	15 3/4

BOTTOM HOLE ASSEMBLY

14-5 7/8" to 6" O.D. Collars
1-Cross Over Sub

DRILLING MUD DATA

Quality Engineering Co. was in charge of the drilling mud. Fred Rothauge was the engineer. The basic drilling mud was a low ph, polymer-gel mud. Weight and viscosity were controlled by water. The viscosiy, water loss, and weight were kept within the requirements for drilling the sands and logging.

DRILLING CONTRACTOR DATA

**ASHBY DRILLING Co. Rig #1
Toolpusher Tim Jones**

Drawworks-National T20 Power 1 set twin 671 GMC's

**Pump-Ellis Williams 15 EW600 5 1/2"x15"
Power 1 set twin 671 GMC's**

Derrick L.C. Moore 95' Double

Substructure 42'x15'x10'

Light Plant 20Kw Power 371 GMC

Swivel Brewster 6SX

Blocks Brewster 150 tons

Drilling Line 1 1/8"

Water Tank 300 bbls

Drill Collars 420ft(14 Collars)5 7/8"to6"ODx2 1/4"ID

Drill Pipe 4 1/2" X-Hole

PLUGGING DATA

The well was plugged and abandoned as recommended by Ed Brinkley of the Colorado Oil&Gas Commision

Plug Number	Interval	Number of Sacks
1	4820-4670-Top of "J" Sand	40
2	40-Surface	10