

FLORY & ASSOCIATES  
S-5  
GILLETTE, WYOMING 82716

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GEOLOGICAL REPORT

BURTON & HAWKS, INCORPORATED  
Delaney Lakes 35-1 Humbert  
3500FSL 1980FWL Sec. 35-T9N-R81W  
Jackson County, Colorado

*David J. Zeider*

David J. Zeider  
Consulting Geologist

DVR	
FJP	
HND	✓
JAM	✓
JJD	✓
RLS	
OGM	

X



WELL DATA

OPERATOR: Burton and Hawks, Inc.  
WELL NAME: Delaney Lakes 35-1 Humbert  
LOCATION: 3500' FSL 1980' FWL Sec. 35T9N R81W  
COUNTY: Jackson  
STATE: Colorado  
ELEVATION: GL 8176'  
CONTRACTOR: Elenburg Exploration, Inc. Rig 3  
TOOL PUSHER: Ed Henn  
EQUIPMENT: DRILLING RIG: Walker-Neer Con-Cor  
MOTOR: 1 GMC  
AIR PUMPS: Air-x-Changer 48EHS  
DRILL PIPE: 4 1/2" XH  
DRILL COLLARS: 5"  
DRILLING FLUID: Water to 251', Air to 1413', Airmist to TI  
CASING : 7-7/8" Set at 243'  
HOLE SIZE: 6-3/4" Below surface pipe  
ELECTRIC LOGGING: Petro-Log  
LOGGING ENGINEER: Chris Mascarene  
LOGS RUN: Gamma Ray- Neutron Porosity  
SAMPLES: 30' from 250 to TD  
SAMPLE DISPOSITION: AMSTRAT, Denver  
SPUD DATE: 10/22/80  
DATE TD: 10/24/80  
TOTAL DEPTH: Driller; 1550'  
GEOLOGIST: David Zeider, Flory and Associates  
✓ WELL STATUS: Plugged and Abandoned

35-9N-81W



SUMMARY

The Delaney Lakes 35-1 Humbert, was spudded by Burton and Hawks Incorporated on 10/22/80. The objective horizons being the sands of the Dakota and Lakota Formations.

The well was drilled to 1413' in the Dakota Formation, with air. No shows were encountered. Wet hole conditions forced a switch to air mist and the hole was drilled, with no shows, to TD, on 10/24/80.

Electric logs indicated that fluid levels were within 20 ft. of surface. This confirmed the earlier sample evaluation of a water wet Lakota Formation.

The hole was plugged and abandoned.

FORMATION TOPS

<u>NAME</u>	<u>DEPTH</u>	<u>DATUM</u>
Frontier	788	+7388
Mowry	1198	+6978
Dakota	1356	+6820
Lakota	1448	+6728
Morrison	1532	+6644

Total Depth - Driller 1550'; Logger 1550'



## WELL HISTORY

DATE	DEPTH	PROGRESS	OPERATION	REMARKS
10/22/80	0-178	178	Drill Surface Hole	Bit 1A
10/23/80	178	690	Nipple up/Drilling	New Bit 1
10/24/80	868-TD	582	Drilling/Trip	New Bit 2
10/25/80	1550		Logging	and 3

TOTAL DEPTH

Driller: 1550'

Logger: 1550'

### BIT RECORD

NO.	MAKE	TYPE	SIZE	DEPTH OUT	FOOTAGE	HOURS
1A	Smith	DT	9-7/8	246	246	5-3/4
1	Smith	DTJ	6-3/4	1317	1071	15
2	Smith	DTJ	6-3/4	1413	96	1-1/4
3	Smith	DTJ	6-3/4	1550	137	

### PLUGGING INFORMATION

120' At TD

20 Sacks at Base of Surface Pipe

10 Sacks at Top of Surface Pipe

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T9N, R81W Sec 35 SWNE  
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- 10-22-80 7:00 to 8:30 P.M. finished RU & Moved rig in  
8:30 To 2:15 A.M. drilled 9 7/8" hole to 246'  
2:15 to 6:00 A.M. circulate to run 6 jts 7 5/8" to 236'  
cement w/65 sx reg 3% CC. Plugged in @ 6:30 AM. P.O  
6:30 to 7:00 AM WOC
- 10-24-80 At 1317' tripping back in hole, trace oil show starting  
at 825' (Frontier?) Mowry 1070, Muddy 1170, Dakota 1243,  
(few chips with fluor.) No gas.
- 10-25-80 Lost rotating head rubber @ 1413', TOH & replace rubber,  
Top Dakota 1443' drill time. No gas or oil while drilling.  
Slight oil show in top of Dakota. Recovered much water  
from the Dakota. Drilled to 1550' in Morrison, TOH to  
log. logger couldn't get to bottom, TIH and condition  
hole, Hole filled w/fresh water from Dakota, ran Petro-  
log GR-N log with the following tops: Frontier 810',  
Mowry 1236', Dakota 1418'. Lakota 1472', Morrison 1489',  
TD 1552'. Set the following plugs:  
150' plug from 1552-1402  
20 sacks across base of surface casing  
10 sacks in top of surface casing
- 10-26-80 Rigging Down
- 10-27-80 Moving to the #23-1 Linke