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**COLO. OIL & GAS COMS COM**

**GEOLOGICAL WELLSITE REPORT**

for

**E. Doyle Huckabay, Ltd.  
No. 12-26 L & L Land Co.**

**SW NW Section 26 T-3S R-59W  
Adams County, Colorado**

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OPERATOR: E. Doyle Huckabay, Ltd.

WELL NAME: No. 12-26 L & L Land Co.

LOCATION: SW NW (1980' FN and 660' FW)  
Section 26 T-3S R-59W  
Adams County, Colorado

ELEVATION: 5100' Ground, 5110' KB

FIELD: Noonan Ranch

CONTRACTOR: Exeter Drilling Company  
Denver, Colorado  
Rig No. 6, Tool Pusher - Mr. Harley Davis

COMMENCED: Spudded 12:30 P.M. 6-14-85

SURFACE CASING: TD 394'. 8 5/8" casing @ 386' KB w/200 sx, 3% CaCl  
Plug down @ 5:45 P.M. 6-14-85  
Drilled out 3:30 A.M. 6-15-85

TOTAL DEPTH: 6250' Driller. Reached @ 10:25 A.M. 6-18-85  
(Operator planned to drill an additional 25' prior to  
running casing)

6254' Logger

STATUS: Preparing to run production casing

CORES: None

DRILLSTEM TESTS: One in J Sand, see page 3

LOGS: By Schlumberger

Dual Induction - SFL  
2" - Surface casing to total depth  
5" - 3245' to 4449', 5046' to total depth

Compensated Neutron Litho Density w/Gamma Ray  
5" - 3277' to 4476', 5032' to total depth

MEASUREMENTS: Datum for drilling and logs - Top of Kelly Bushing

A one-foot mechanical depth recorder was in operation from surface to total depth. Drill pipe was strapped at 3736', and an eight-foot down-hole correction was made to the board. Pipe was again strapped at 6250' (total depth), which was 1.5' shallow to the board. No correction was made. Logger found total depth at 6254' which was the bottom of the drilled hole and was the basis for the straddle drillstem test. Driller's measurements through the DJ Section were 4' to 6.5' shallow to logger's.

DRILLING MUD: Native mud from under surface casing. Started mudding up (fresh water gel) at 5025'.

While drilling the DJ Section: Viscosity 45-70, weight 9.3 - 9.7

Mud engineer's last report @ 6175': Viscosity 55, weight 9.7, water loss 8.0, filter cake 2/32, pH 8.5, Ca 40 ppm, Cl 500 ppm

DEVIATION SURVEYS:	394' - ¼°	5268' - misrun
	3736' - 1¼°	5698' - 1°
	4270' - 1¼°	6110' - 2°
	4765' - 1°	6250' - 1 3/4°
	5256' - 1°	

## BIT RECORD:

Bit No.	Size	Make	Type	Depth Out	Footage	Hours
1	7 7/8"	Smith	DSJ	3736'	3342'	18½
2	"	Strata	PA2BT3	6110'	2374'	36
3	"	HTC	J33	6250'	140'	9½

LOG TOPS (DI-SFL):	Niobrara	5241'	- 131'
	Ft. Hays (faulted)	5641'	- 531'
	Carlile	5665'	- 555'
	Greenhorn	5746'	- 636'
	Bentonite Marker	5984'	- 874'
	D Sand (equivalent)	6071'	- 961'
	J Sand	6118'	-1008'
	J2 Sand	6157'	-1047'
	Total Depth	6254'	

SAMPLES: Ten-foot samples were caught from 5150' to 6080', five-foot samples from 6080' to 6215' and ten-foot samples from 6215' to 6250'. The hole was circulated at 6110' (6116' log) prior to trip for new bit, and at total depth, 6250'. Samples were examined and described from the top of the D Sand to total depth. Sample quality through this interval was fair to very poor. All samples are on file at American Stratigraphic Company, Denver, Colorado.

Samples have been lagged and adjusted to log depth. Sample quality in intervals marked with an asterisk were so poor that there is some question as to how representative they are.

Top D Sand Equivalent 6071' (recognizeable D Sand at 6076')

6071-6080' SHALE, black, and SANDSTONE, off-white to light gray, mostly very fine grained with some scattered fine grains, poorly sorted, siliceous, very slightly glauconitic, slightly micaceous, locally silty and argillaceous, low porosity, tight, no show.

6080-6109' SHALE, black.

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6109-6118' SHALE, black, and SILTSTONE, tannish gray to gray brown, argillaceous and siliceous, sandy (vfg), pyritic, locally grades to Sandstone, very fine grained, silty, of same general description.

Top J Sand 6118'

6118-6126' SANDSTONE, very light tan to tan, very fine to fine grained, poorly sorted, slightly siliceous, clayey, earthy, minor carbonaceous and shale fragments, low porosity, tight, no show; changes downward to SANDSTONE, gray, very fine grained, slightly siliceous, glauconitic, slightly friable, trace of mineral fluorescence, no cut, low porosity, tight, no show.

6126-6129' SHALE, black, possible Bentonite.

6129-6148' SANDSTONE, off-white to very light tan changing downward to very light gray to gray, very fine to low fine grained, changing downward to very fine grained with some scattered fine grains, slightly siliceous, slightly glauconitic, locally argillaceous and clayey, scattered shale fragments, some argillaceous/carbonaceous wavy microlaminations (bioturbated?), low porosity, tight, no show.

\*6148-6157' SHALE, black, with Sandstone as above and Siltstone, gray, sandy.

Top J2 Sand 6157'

6157-6161' SANDSTONE, very light tan, fairly clean, upper very fine grained to low fine grained, very slightly siliceous, few scattered very small shale/dark fragments, friable, low to low fair porosity, tight to low permeability, no fluorescence, no cut, no show.

\*6161-6176' SANDSTONE, with thin black Shale beds, possible Bentonite; SANDSTONE, very light tan, fairly clean, fine grained, slightly clayey in part, low fair to fair porosity, low to some low fair and fair permeability, questionable very light stain in part, trace of very faint fluorescence, no cut, second cut (crushed) gives very light cut.

\*6176-6181' SHALE, black.

\*6181-6200' SANDSTONE with interbedded SHALE, dark gray to black; SANDSTONE: gray, very fine grained, S & P, glauconitic, slightly siliceous and clayey, low porosity, tight, no show.

\*6200-6250' Interbedded SANDSTONE and SHALE, dark gray to black; SANDSTONE: light tan, slightly to very siliceous, argillaceous and silty in part, low porosity, tight, no show.

TOTAL DEPTH 6250'

DRILLSTEM TEST NO. 1: 6145-6181', log depth  
(J2 Sand - Straddle test following logs)

Tool open 10 minutes with strong blow, gas to surface in 6 minutes at 132 mcfpd, shut in for 30 minutes, tool open

for two hours, 1612 mcfpd at 10 minutes, 1980 mcf at 20 minutes, 2056 mcf at 30 minutes, 2163 mcf at 40 minutes, 2229 mcf at 50 minutes, 2341 mcf at 60 minutes, 2377 mcf at 70 minutes, steady at 2377 mcf to end of flow period, light spray condensate at 100 minutes, shut in tool for 30 minutes. Sample of gas for analysis taken immediately before final shut-in period.

Pipe Recovery: 10' condensate  
180' muddy water  
Middle sample Rw: 2.05 @ 80° (2500 ppm)  
Bottom sample Rw: 1.13 @ 80° (4800 ppm)

BH Sampler Recovery:  
2.2 cubic feet gas  
50cc water: Rw 1.13 @ 80° (4800 ppm)  
Mud pit filtrate: 2.10 @ 77° (2500 ppm)  
Sampler pressure: 400 psig

Pressures (Office):  
IFP (10"): 229-353 psig  
FFP (120"): 399-584 psig  
ISIP (30"): 1682 psig  
FSIP (30"): 1653 psig  
HP: 3157-3123 psig  
Pressure under bottom straddle packer:  
Bled to 2336 psig  
BHT: 151° F

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DISCUSSION:

The No. 12-26 L & L Land Co. was drilled as a stepout to the operator's small J2 oil discovery located almost 3/4 mile to the northwest in SW SE Section 22.

As expected, no shows were detected in the D Sand which was quite thin and tight.

The J1 Sand, 6118-6148', a possible objective, was tight and without shows. Logs confirmed that further evaluation was not warranted.

No shows were detected in the first bench, 6157-6161', of the J2 Sand, although some observable porosity and indicated permeability were present. Logs indicated possible hydrocarbons. Unfortunately, very poor samples were obtained through the balance of the J2 Sand, 6163-6176'. Visible porosity, indicated permeability and traces of very weak show were present in what little sand was present in samples. Logs indicated this section to be hydrocarbon bearing, and a typical neutron gas effect was present. Gas in the J2 was unexpected.

All possibly productive J2 beds were included in the straddle DST, which produced a stabilized rate of 2.377 mmcf/gpd and a faint condensate spray near the end of the open period.

Ten feet of condensate and 180' of muddy water were recovered in drill collars. Based on resistivity of the recovered water, it would appear that about two-thirds of the recovery is filtrate and one-third is formation water or less than one-half barrel. Production casing was to be run for further evaluation.

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CABLE INC.  
P.O. BOX 590 STERLING, COLO. 80751  
(303) 522-4761

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SUB-SURFACE PRESSURE SURVEY

COMPANY E. DOYLE HUCKAB RUN A1 FIELD WC	WELL NAME L.L. LAND CO. 12-26
COUNTY ADAMS	TOOL HUNG 6167
STATE CO.	ON BOTTOM 0902 070885
LINER -	OFF BOTTOM 1730 071185
DATE 070885	ZERO POINT KB 10
ELEVATION	SHUT-IN 1002 070885
MAX TEMP 184 F	ON-PROD
PERF 6158' - 6176'	MPP 6167
TUBING -	
UNITS ENGLISH	PURPOSE FOUR POINT

SURVEY DATA

COMPANY E. DOYLE HUCKAB RUN A1 FIELD WC				WELL NAME L.L. LAND CO. 12-26			
TIME	PRES	DPRES	DTIME	TIME	PRES	DPRES	DTIME
0:00	1477.8	0.0	0.0	71:30	1507.1	29.3	71.5
0:30	1477.8	0.0	.5	71:45	1340.7	-137.1	71.7
0:45	1511.0	33.2	.8	72:00	1232.1	-245.7	72.0
1:00	1503.2	25.4	1.0	72:15	1128.9	-348.9	72.2
1:15	1631.7	153.9	1.2	72:30	1208.7	-269.1	72.5
1:30	1649.1	171.3	1.5	72:45	1293.7	-184.1	72.7
1:45	1654.9	177.1	1.7	73:00	1338.7	-139.1	73.0
2:00	1656.8	179.1	2.0	73:15	1354.4	-123.4	73.2
2:15	1658.8	181.0	2.2	73:30	1357.3	-120.5	73.5
2:30	1657.8	180.0	2.5	74:00	1364.2	-113.6	74.0
3:00	1656.8	179.1	3.0	75:00	1380.8	-96.9	75.0
3:30	1654.9	177.1	3.5	75:30	1385.7	-92.0	75.5
4:00	1652.0	174.2	4.0	75:45	1281.0	-196.8	75.7
4:30	1647.2	169.4	4.5	76:00	1259.5	-218.3	76.0
5:00	1643.3	165.5	5.0	76:15	1247.7	-230.0	76.2
5:30	1640.4	162.6	5.5	76:30	1238.0	-239.8	76.5
6:00	1637.5	159.7	6.0	76:45	1251.6	-226.1	76.7
7:00	1632.6	154.9	7.0	77:00	1259.5	-218.3	77.0
8:00	1628.7	151.0	8.0	77:15	1192.1	-285.6	77.2
10:00	1623.9	146.1	10.0	77:30	1192.1	-285.6	77.5
12:00	1620.0	142.3	12.0	77:45	1192.1	-285.6	77.7
16:00	1617.1	139.3	16.0	78:00	1194.1	-283.7	78.0
20:00	1616.2	138.4	20.0	78:15	1088.2	-389.6	78.2
30:00	1617.1	139.3	30.0	78:30	1064.9	-412.8	78.5
40:00	1620.0	142.3	40.0	78:45	1065.9	-411.9	78.7
50:00	1622.9	145.2	50.0	79:00	1063.9	-413.8	79.0
60:00	1623.9	146.1	60.0	79:15	1058.1	-419.6	79.2
70:00	1625.8	148.1	70.0	79:30	1058.1	-419.6	79.5
71:00	1625.8	148.1	71.0	80:00	1057.2	-420.6	80.0
71:15	1607.4	129.6	71.2	80:30	1056.2	-421.6	80.5

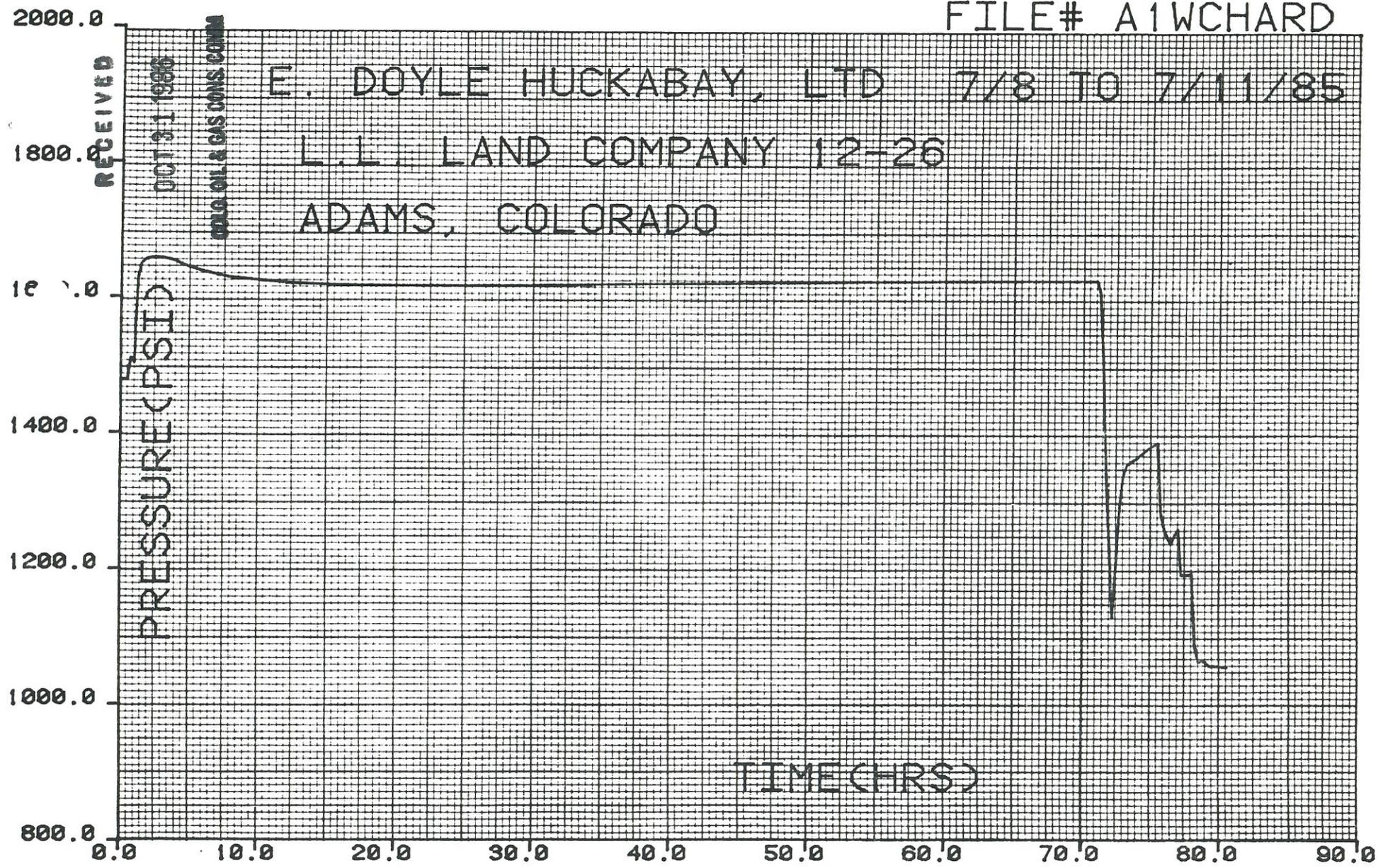
GRAVES FILE# A1WCHARD COMPANY NAME: E. DOYLE HUCKABAY, LTD  
 TIME IS IN HOURS AND MINUTES, 0=TIME FIRST ON BOTTOM  
 WELL NAME: L.L. LAND CO. 12-26, SURVEY DATE: 7/8 TO 7/11/85  
 TUBING PRESSURE: 900# IN, 1034# OUT  
 FLOWED FIRST HOUR 7/8/85



STERLING, CO 80751 10 x 10 TO 1/2 INCH  
 (303) 522-4761 6 x 9 INCHES

FILE# A1WCHARD

E. DOYLE HUCKABAY, LTD 7/8 TO 7/11/85  
 L.L. LAND COMPANY 12-26  
 ADAMS, COLORADO



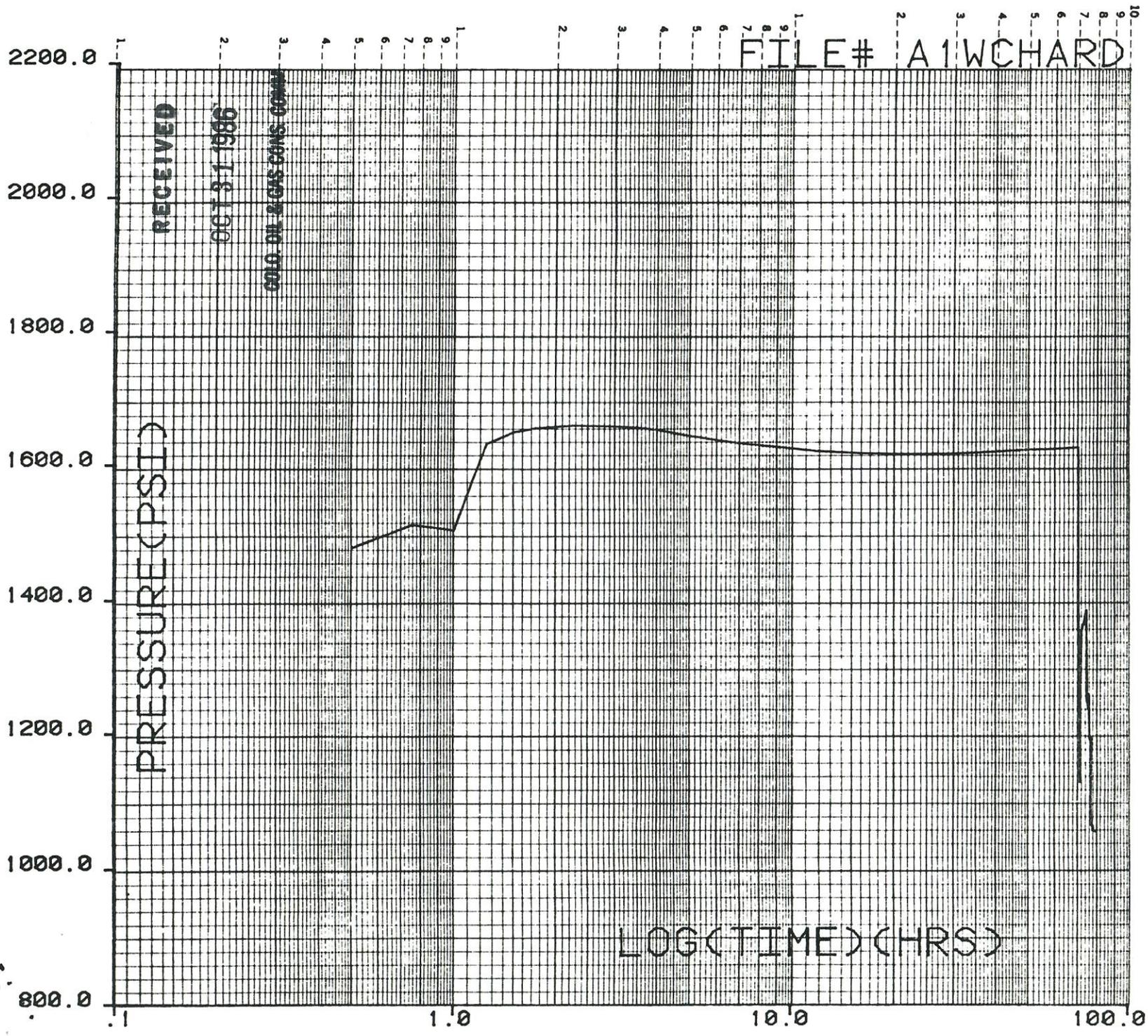
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PRESSURE (PSI)

TIME (HRS)



STERLING, CO 80751  
(303) 522-4761

SEMI-LOG  
3 CYCLE



STERLING, CO 80751

(303) 522-761

FILE# A1WCHARD

