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COLORADO OIL & GAS CONSERVATION COMMISSION

OGCC FORM 5

REV



00229795

OIL AND GAS CONSERVATION COMMISSION

DEPARTMENT OF NATURAL RESOURCES

THE STATE OF COLORADO

triplicate for Patented and Federal lands.
File in quadruplicate for State lands.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:				OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____
b. TYPE OF COMPLETION:				NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
				DIFF. RESVR. <input type="checkbox"/>	Other _____		
2. NAME OF OPERATOR J. W. Nylund							
3. ADDRESS OF OPERATOR 1600 Broadway, Denver, CO 80202							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)							
At surface 1730' FSL, 1730' FWL, NE SW Sec. 13-T3S-R56W							
At top prod. interval reported below							
At total depth same							
14. PERMIT NO. 78-906				DATE ISSUED 9/11/78			
15. DATE SPUDDED 9/19/78		16. DATE T.D. REACHED 9/23/78		17. DATE COMPL. (Ready to prod.) 9/24/78 (Plug & Abd.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.) GR 4785', KB 4792'	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 5104'					
21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY		23. INTERVALS DRILLED BY		ROTARY TOOLS 0' - 5104'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)							25. WAS DIRECTIONAL SURVEY MADE
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electrical & Gamma Ray-Density							27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (See reverse side)
28. CASING RECORD (Report all strings set in well)							
CASING SIZE 8-5/8"	WEIGHT, LB./FT. 24#	DEPTH SET (MD) 121'	HOLE SIZE 12 1/4"	CEMENTING RECORD 100 sx		AMOUNT PULLED	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Final Well Report							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>J. W. Nylund</u>		TITLE <u>Owner</u>		DATE <u>9/27/78</u>			

See Spaces for Additional Data on Reverse Side

DVR	<input checked="" type="checkbox"/>
FJP	<input checked="" type="checkbox"/>
HHM	<input checked="" type="checkbox"/>
JAM	<input checked="" type="checkbox"/>
JJD	<input checked="" type="checkbox"/>
RLS	<input checked="" type="checkbox"/>
CGM	<input checked="" type="checkbox"/>

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			see attached Final Well Report

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
11		

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COLO. OIL & GAS CONS. COMM.

FINAL WELL REPORT

J. W. Nylund, et al

#1 GILBERT

NE SW Section 13-T3S-R56W
Washington County, Colorado

SAMPLE DESCRIPTION

(Depths corrected to Schlumberger)

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- 4979'-4990' Top of D Sand. Sandstone, white, fine grained, tight, very argillaceous, shaley in part, hard, poor sorting, angular grains, No Shows.
- 4990'-97' Sandstone, brown, fine grained, tight, very hard, dense, slightly argillaceous, silty in part, angular grains, No Shows.
- 4997'-5023' Shale, black, soft, fissile, bentonitic, pyritic in part.
- 5023'-30' Top of J Sand. Sandstone, white to gray, very fine grained, tight, very shaley, argillaceous, locally grades into arenaceous siltstone, hard, poor sorting, No Shows.
- 5030'-37' Siltstone, gray, hard, arenaceous, interbedded with shale, dark gray, pyritic.
- 5037'-54' Sandstone, white to light tan, fine grained, variable tight to low P&P, very argillaceous, medium hard, slightly friable, poor to fair sorting, slightly shaley, sub-angular grains, variable light to fair oil stain, fair yellow fluorescence.
NOTE: a few pieces of sand had small globules of free oil on fresh break; however, the majority of sand had a substantially weaker show.
- 5054'-61' Interbedded gray siltstone and shale.
- 5061'-75' Sandstone, white, fine grained to very fine grained, tight to very low P&P, argillaceous, medium soft, friable in part, grades locally into siltstone, poor sorting, sub-rounded grains, No Shows.
- 5075'-79' Shale, black, soft, bentonitic.
- 5079'-88' Sandstone, white, fine grained, tight, argillaceous, slightly glauconitic, medium hard, fair sorting, sub-rounded grains, No Shows.
- 5088'-93' Sandstone, gray, very fine grained, tight, interbedded with siltstone, gray, and shale, No Shows.
- 5093'-5103' Sandstone, white, fine grained, generally low P&P (a few pieces had fair P&P), argillaceous, shaley in part, medium hard, slightly friable, sub-angular grains, No Shows.

Sample quality - very good

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CHRONOLOGICAL HISTORY

September 18, 1978 Moved in rotary tools.

September 19, 1978 Rigged up, spudded at 9:15 am, set surface casing. Plug down at 11:30 am.

September 20, 1978 Drilling at 2070' with water; Bit #1.

September 21, 1978 Tripping for Bit #2 at 3888'; will mud up when drilling resumes.

September 22, 1978 Tripping for Bit #3 at 4839'; mudded up.

September 23, 1978 Shut down at 5089' to repair mud pump. Drilled to TD of 5103'. Ran IES and Gamma Ray-Density logs. Went in with DST #1.

September 24, 1978 Pulled DST #1. Plugged hole with 15 sacks cement in bottom of surface casing and 10 sacks in top, as per telephone instructions from D. V. Rogers, Colorado Oil & Gas Conservation Commission.

FORMATION TOPS

<u>FORMATION</u>	<u>LOG TOPS</u>	<u>SEA LEVEL DATUM</u>
Niobrara	4050'	
Ft. Hayes	4523'	
Carlile	4578'	
Greenhorn	4648'	
Bentonite Marker	4883'	
D Sand	4979'	-187
J Sand	5023'	-231
Total Depth - driller	5103'	
- logger	5104'	

BIT RECORD

<u>RUN #</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>DEPTH OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>
1	7-7/8"	Reed	Y11J	3888'	3758'	26 $\frac{1}{4}$
2	7-7/8"	STC	DTR	4839'	951'	16 $\frac{1}{2}$
3	7-7/8"	STC	DT	5103'	264'	18 $\frac{1}{4}$

DEVIATION SURVEYS

<u>DEPTH</u>	<u>DEGREES FROM VERTICAL</u>
130'	0°
3888'	0°
4839'	$\frac{1}{4}$ °

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DRILL STEM TESTS

DST #1 - 5029' to 5043'

Open 2 hours, shut in 1 hour. Tool opened with weak blow (1/4" under water) and increased gradually throughout flow period to 4" under water at end of flow.

<u>Recovery</u> - pipe	123'	muddy water
	<u>162'</u>	water
	285'	total fluid

 R_w 1.2 @ 80°F = 4500 ppm

<u>Recovery</u> - bottom hole sampler	100 cc	water
	<u>400</u> cc	watery mud
	500 cc	total fluid

Pressure in sampler 3 psig

<u>Pressures</u>	<u>Field</u>
Initial hydrostatic	2776 psi
Final hydrostatic	2592 psi
Initial flow	33 psi
Final flow	128 psi
Final shut in	391 psi

Pressure below bottom packer bled to 760 psi

Bottom hole temperature not recorder.

Lynes tester - Art Anderson

Test successful

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GENERAL INFORMATION

OPERATOR: J. W. Nylund
FARM: Beulah Gilbert, et al
WELL NUMBER: 1
LOCATION: 1730' FSL; 1730' FWL, NE SW Section 13-T3S-R56W
COUNTY: Washington
STATE: Colorado

ELEVATION: 4785' GL; 4792' KB (surveyed by Billy Holloway,
Powers Elevation Service)

SURFACE CASING: Drilled 130' of 12 $\frac{1}{4}$ " hole. Ran 3 joints, 114' of
8-5/8", 24# surface casing, set at 121' KB, cemented
with 100 sacks class "G" regular, 3% CaCl.

CORES: None

DRILL STEM TESTS: One J Sand test

LOGS: Ran Schlumberger Induction-Electrical log from 5104'
to 122'; ran Gamma Ray-Density log from 5105' to
4874'

DRILLING TIME CHARTS: Star Recorder Drilling Time charts showing one foot
penetration rate are on permanent file in operator's
office

STATUS: Plugged and abandoned

WELLSITE GEOLOGIST: J. W. Nylund

DRILLING CONTRACTOR: Megargel Drilling Co., Inc., Rig #18, Jerry Pelley,
toolpusher