

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" 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 Energy Reserves Group, Inc.							
3. ADDRESS OF OPERATOR P.O. Box 3280, Casper, Wyoming 82602							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 800' FSL, 1,640' FWL (SE SW) At top prod. interval reported below At total depth							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 11-30-79				16. DATE T.D. REACHED 12-3-79			
17. DATE COMPL. (Ready to prod.) 3-18-80				18. ELEVATIONS (DF, RKB, BT, GR, ETC.)* GRD 5,796' KB 5,806'			
20. TOTAL DEPTH, MD & TVD 1,881'		21. PLUG, BACK T.D., MD & TVD 1,822'		22. IF MULTIPLE COMPL., HOW MANY* NA		23. INTERVALS DRILLED BY ROTARY TOOLS O-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1,664'-69'; 1,673'-76' Pictured Cliffs						25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction-Electrolog; Comp-Densilog - Neutron						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
8-5/8"	19.66#	132' KB	12-1/4"	100 sks "G" + 2% CaCl ₂		-0-	
4-1/2"	9.5#	1,863' KB	6-3/4"	1/4#/sk Flocele		-0-	
				300 sks 50-50 Pozmix + 1/4#		-0-	
				sk Flocele - CBL cmt top @ 328'			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	none				2-3/8"	1,681'	none
31. PERFORATION RECORD (Interval, size and number) 1,664'-69' w/1 JSPF 1,673'-76'				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				1,664' - 1,676'		Broke down w/500 gals 15% HCl + additives - Fraced w/24,000 gals 70% Quality Foam + 40,000# 10-20 sd @ 2 PPG	
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing, shut in)	
DATE OF TEST 3-17-80		HOURS TESTED 24		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD OIL—BBL. 0 GAS—MCF. 398	
FLOW. TUBING PRESS. 100 psi		CASING PRESSURE SI 250 psi		CALCULATED 24-HOUR RATE OIL—BBL. 0 GAS—MCF. 398		WATER—BBL. 243	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented During Test						TEST WITNESSED BY T.C. [Signature]	
35. LIST OF ATTACHMENTS Sample Description							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED [Signature]				TITLE Dist Prod Engr-RMD		DATE 3-17-80	

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

BY [Signature]
DIST. 3

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROSITY ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS: AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION TEST, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
See Attached			LOG TOPS	
			Ojo Alamo	311'
			Kirtland	425'
			Fruitland	1,313'
			Pictured Cliffs	1,646'
			Lewis	1,807'
			TD Driller	1,876'
			Logger	1,881'

SAMPLE DESCRIPTION

200 - 60 50% Ss: mlkywht-clr, cg, sbang, lse, w/occ feld grains
50% Sh: gry, frm, blk, slty, some clayey, soft & wxy

260 - 320 70% Ss: AA
30% Sh: AA

320 - 50 80% Ss: AA
20% Sh: AA, some dk gry & carb

50 - 80 40% Ss: AA
60% Sh: AA

380 - 410 90% Ss: AA, occ sl clay fld
10% Sh: AA

10 - 40 20% Ss: AA
80% Sh: lt gry-gry, frm, blk, slty, w/occ carb incl,
some clayey

40 - 70 100% Sh: lt gry, sft, plty-blk, clayey-sl slty
Tr. Ss: AA

470 - 500 100% Sh: lt gry-brn, sft-frm, plty-blk, slty-clayey, w/
occ carb incl.

500 - 30 10% Chert: clr, vycg, ang.
90% Sh: AA
Tr. Coal: blk, vit.

30 - 60 30% Ss: wht, fg, sbrnd, mod clay fld, fair por
70% Sh: AA

60 - 90 100% Sh: gry-dk gry, sft, plty, clayey, sl carb.

590 - 650 70% Ss: wht, mg, sbang, sl clay fld, some lse, gd por,
w/occ shaly incl.
30% Sh: AA, slty

650 - 710 10% Ss: wht, fg, sbrnd, sl clay fld, gd por
90% Sh: gry, sft, blk, some bl gry & glauc

10 - 40 100% Sh: dk gry, frm, blk, slty

40 - 70 10% Ss: gry, fg, sbrnd, shly, tite
90% Sh: AA

770 - 800 90% Sh: lt gry-gry, sft-frm, blk, clayey-slty, sl carb.
10% Chert: mlky wht-brn, cg, ang.

800 - 30 100% Sh: lt gry, frm, blk, slty

30 - 60 100% Sh: gry, frm, blk, clayey, sl carb.

860 - 90 10% Ss: gry, f-m-g, sbang, sl cly fld, gd por, w/occ carb incl.
90% Sh: gry, frm, blk, sl slty, w/occ carb incl, some blk & coaly

890 - 920 20% Ss: wht, mg, sbang, mod cly fld, fair por
80% Sh: lt gry-gry, sft, blk, slty, some clayey & waxy

920 - 50 30% Ss: wht-gry, fg, sbang, sl cly fld, gd-fair por, w/occ carb. incl.
70% Sh: lt gry-gry, frm, blk, slty, some bl gry, sft, clayey & waxy

50 - 80 30% Ss: AA, f-mg
70% Sh: AA

980 - 1010 20% Ss: wht, fg, sbang, mod clay fld, fair por, w/occ carb incl.
80% Sh: gry, sft, blk-plty, clayey-sl slty

1010 - 40 20% Ss: wht, mg, sbrnd, sl-mod cly fld, fair por, sl feld, w/occ carb incl
80% Sh: lt gry-gry, sft, plty-sl blk, clayey, some sl slty

40 - 70 30% Ss: wht, f-mg, sbang, sl clay fld, fair por, w/occ carb incl, sl feld
70% Sh: gry-dk gry, frm, blk, some carb.

1070 - 1100 10% Ss: wht, fg, sbrnd, mod cly fld, fair por
90% Sh: gry, sft, clayey, blk

1100 - 30 20% Ss: AA
80% Sh: AA

30 - 60 20% Ss: AA, f-mg, w/occ carb incl
80% Sh: gry-dk gry, blk-plty, sl carb

60 - 90 20% Ss: wht, mg, sbang, mod cly fld, sl feld, fair por, w/occ carb incl
80% Sh: gry, sft, blk, clayey

1190 - 1220 100% Sh: AA
Tr. Ss: AA

20 - 80 100% Sh: gry-dk gry-blk, frm, blk, some carb, coaly

1280 - 1340 100% Sh: lt gry, frm, blk, slty

40 - 70 20% Ss: wht, vfng, sbang, sl cly fld, fair por, w/occ carb incl
80% Sh: AA, sl less slty

1370 - 1400 100% Sh: gry-dk gry, frm, blk, sl slty, w/carb incl.

1400 - 30 50% Ss: wht, f-mg, sbrnd, mod cly fld, fair por, w/occ carb
incl, sl feld
50% Sh: gry-dk gry-blk, blk, frm, sl clayey, some coaly

30 - 60 20% Ss: wht, fg, mod cly fld, fair por, sl feld, w/occ
carb incl
50% Sh: AA
30% Coal: blk, sl shly

1460 - 1500 30% Ss: wht, fg, sbrnd, sl cly fld, gd por, sl feld, calc
70% Sh: lt gry-gry, frm, blk, slty, w/occ carb incl

1500 - 10 20% Ss: wht, fg, sbrnd, mod-hvy cly fld, fair por-tite, sl
feld, calc
80% Sh: AA, less slty, some clayey

10 - 20 10% Ss: AA
90% Sh: AA
Tr. Coal: blk, vit.

20 - 30 100% Sh: gry, frm, blk, slty, w/occ carb incl

30 - 40 40% Ss: wht, mg, sbrnd, sl-mod cly fld, fair por, w/occ
carb incl, sl feld, calc
60% Sh: gry-brn, frm, blk, sl carb, w/occ carb incl

40 - 50 10% Ss: AA
90% Sh: AA
Tr. Coal: blk, vit

50 - 60 20% Ss: wht, mg, sbrnd, mod cly fld, fair por-tite, sl feld,
w/occ carb incl, calc
50% Sh: gry-dk gry, frm-sft, blk-plty, some clayey, w/carb
incl
30% Coal: blk, vit

60 - 70 N.S.

70 - 90 10% Ss: wht, fg, sbrnd, mod cly fld, fair por, w/occ carb
incl, calc
90% Sh: gry, frm, plty-blk, sl slty, w/occ carb incl,
some blk & carb

1590 - 1600 20% Ss: wht, mg, sbang, mod cly fld, fair por, w/carb
incl, sl feld
80% Sh: AA

1600 - 20 30% Ss: AA, wht-gry
70% Sh: AA, sl slty

20 - 30 20% Ss: AA
80% Sh: AA

30 - 40 100% Coal: blk, vit

40 - 50 20% Ss: wht, mg, sbang, sl-mod cly fld, fair por-tite,
calc, sl feld, w/occ carb incl
50% Sh: gry, sft, plty, slty-sl clayey
30% Coal: AA

1650 - 60 40% Ss: AA
 60% Sh: AA, sl micmica.

60 - 70 60% Ss: wht, mg, sbang, fair por, sl feld, w/occ carb incl
 40% Sh: gry, sft, blk, clayey, w/occ carb incl

70 - 80 70% Ss: wht-gry, f-mg, sbang, uncons, calc, fair por,
 w/carb incl
 30% Sh: gry, sft-frm, blk, occ carb incl

80 - 90 50% Ss: AA
 50% Sh: AA

1690 - 1700 50% Ss: AA
 40% Sh: AA
 10% Coal: blk, blk, hd, vit

1700 - 10 40% Ss: wht, ltgry-med gry, f-mg, sbang-sbrnd, msrt, uncons,
 calc, fair por, w/carb incl, sl cly fld
 60% Sh: gry, sft-frm, blk, sl carb

10 - 20 80% Ss: AA
 20% Sh: AA

20 - 30 70% Ss: AA
 30% Sh: AA

30 - 40 90% Ss: wht-lt gry, lt brn, f-mg, sbang-sbrnd, msrt, uncons,
 calc, fair por, w/carb incl, sl cly fld
 10% Sh: AA

40 - 50 60% Ss: AA
 40% Sh: AA, being more carb

50 - 70 50% Ss: wht, vfn-fng, sbrnd, cly fld, tite, sl feld, w/
 occ carb incl
 50% Sh: gry, sft-frm, blk, slty, w/carb incl, some clayey

70 - 90 N.S.

1790 - 1800 100% Sh: lt gry, frm, blk, slty-sndy, w/occ carb incl

1800 - 10 30% Ss: wht, vfng, sbrnd, shly, tite
 70% Sh: gry, sft, plty, w/occ carb incl, sl slty

10 - 20 20% Ss: AA, less shly
 80% Sh: AA

20 - 50 10% Ss: AA
 90% Sh: AA, slty

50 - 70 100% Sh: gry, frm, blk, slty, w/occ carb incl

1870 - 76 TD 100% Sh: AA, slty-sl sndy