

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:				OIL WELL ☐	GAS WELL ☒	DRY ☐	Other _____		
b. TYPE OF COMPLETION:				NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	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 1520' FSL, 1530' FEL (NW/SE) At top prod. interval reported below At total depth									
14. PERMIT NO.				DATE ISSUED			13. STATE New Mexico		
15. DATE SPUDDED 12-9-79		16. DATE T.D. REACHED 12-11-79		17. DATE COMPL. (Ready to prod.) 1-22-80		18. ELEVATION OF SURFACE (AT, GR, ETC.)* GRD 5660' KB 5670'		19. ELEV. CASINGHEAD -----	
20. TOTAL DEPTH, MD & TVD 1741'		21. PLUG, BACK T.D., MD & TVD 1698'		22. IF MULTIPLE COMPL. HOW MANY* NA		23. INTERVALS DRILLED BY O-TD		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1496'-1500'; 1512'-19' Pictured Cliffs	
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	
8-5/8"		20#		131' KB		12-1/4"		100 sks 'B' + 3% CaCl ₂	
4-1/2"		9.5#		1739' KB		6-3/4"		+ 1/4#/sk Flocele 325 sks 50-50 Pozmix + 1/4#/sk Flocele *	
29. LINER RECORD									
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)	
				None					
30. TUBING RECORD									
SIZE		DEPTH SET (MD)		PACKER SET (MD)					
2-3/8"		1498'		None					
31. PERFORATION RECORD (Interval, size and number)									
1496' - 1500' 1512'-19' w/1 JSPF (13 holes)									
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL (MD)					AMOUNT AND KIND OF MATERIAL USED				
1496' - 1519'					Broke down w/750 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 or shut-in) SI	
DATE OF TEST 1-21-80		HOURS TESTED 24		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD →		OIL—BBL. 522	
FLOW. TUBING PRESS. 105 psi		CASING PRESSURE SI 250 psi		CALCULATED 24-HOUR RATE →		OIL—BBL. 522		WATER—BBL. 166	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented During Test									
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 <u>Yuan B Barnes</u>				TITLE <u>Dist Prod Engr - RMD</u>					

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

PM000

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 POROUS ZONES:				38. GEOLOGIC MARKERS	
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.	NAME	MEAS. DEPTH
					TRUE VERT. DEPTH
			See Attached * 4-1/2" csg. cmt'd back to surface	Log Tops Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis TD Driller Logger	262' 369' 1,210' 1,495' 1,704' 1,730' 1,741'

SAMPLE DESCRIPTION

140 - 70 100% Sh: gry, frm, blk, slty-sndy

170 - 200 100% Sh: AA

200 - 60 80% Ss: mlky wht, cg, sbang, lse
20% Sh: AA

60 - 90 90% Ss: AA
10% Sh: AA

290 - 320 80% Ss: AA
20% Sh: AA

320 - 80 100% Ss: AA, some feld grains

380 - 410 100% Sh: gry, sft, blk, clayey

410 - 30 100% Sh: AA, sl slty

30 - 60 100% Sh: AA
Tr. Chert: mlky wht, cg, sbang

460 - 520 30% Ss: wht, mg, sbang, sl cly fld, good por
70% Sh: AA

520 - 50 100% Sh: AA, clayey
Tr. Ss: AA
Tr. Chert: mlky wht, cg, sbang

50 - 80 20% Ss: wht-gry, mg, sbang, mod cly fld, fair por
80% Sh: AA

580 - 610 30% Ss: wht, mg, sbang, mod cly fld, fair por
70% Sh: AA, sl slty

10 - 40 10% Ss: AA, fg
90% Sh: AA

640 - 700 10% Ss: AA, f-vfn-g
90% Sh: gry, frm-sft, blk, some slty-some clayey,
w/occ carb incl

700 - 30 90% Ss: wht, fg, sbrnd, mod cly fld, fair-good por,
w/occ carb incl
10% Sh: AA

30 - 60 N.S.

60 - 90 70% Ss: wht, mg, sbrnd, sl cly fld, good por, w/occ
carb incl, sl feld
30% Sh: lt gry, sft, blk, some sl slty

790 - 820 30% Ss: AA
70% Sh: AA

820 - 50 10% Ss: AA
90% Sh: AA

50 - 80 100% Sh: gry, frm, blk, slty
Tr. Chert: mlky wht, cg, ang

880 - 910 100% Sh: AA, less slty
Tr. Chert: AA

910 - 70 100% Sh: lt gry, sft, plty-blky, clayey

970 - 1000 20% Ss: wht, fg, sbang, mod cly fld, fair por, w/occ carb incl
80% Sh: AA

1000 - 30 30% Ss: AA, w/abundant carb incl
70% Sh: AA

30 - 90 100% Sh: bl gry, sft, plty, clayey

1090 - 1120 30% Ss: wht, fg, sbrnd, sl cly fld, good por, some w/ abundant carb incl
70% Sh: AA

1120 - 50 100% Sh: lt gry-gry, sft, blk-plty, some micmica
some slty
Tr. Coal: blk, vit

50 - 80 100% Sh: lt gry-gry, sft-frm, blk-plty, slty-clayey, w/occ carb incl

1180 - 1210 90% Sh: AA
10% Coal: blk, vit

1210 - 60 70% Ss: wht, fg, sbrnd, mod cly fld, fair por, w/carb incl, sl feld
30% Sh: gry, sft, plty, clayey, w/occ carb incl

60 - 90 80% Ss: AA
10% Sh: AA
10% Coal: blk, vit

1290 - 1320 20% Ss: wht, fg, sbrnd, sl cly fld, good por, w/occ carb incl
70% Sh: gry, frm, blk, slty
10% Coal: blk, vit

20 - 50 70% Sh: lt gry, sft, plty, clayey, sl micmica
30% Coal: blk, vit

50 - 80 N.S.

1380 - 1400 30% Ss: clr, s & p, lt-m-gry, fg, sbang, msrt, uncons, calc, fair por, w/carb incl
70% Sh: m gry-dk gry, frm, blk, sl slty, carb i part
Tr. Coal: blk, blk, vit

1400 - 10	80% Ss: AA 20% Sh: AA
10 - 20	30% Ss: AA, w/mg qtz incl 20% Sh: AA 50% Coal: blk, blk, vit
20 - 30	90% Ss: clr-wht, s & p, lt gry, fg, sbrnd, calc, fair por w/carb incl, sl cly fld 10% Sh: m gry-dk gry, frm, blk, sl carb i p
30 - 40	100% Ss: AA
40 - 50	90% Ss: AA, bcmg more cly fld 10% Sh: AA
50 - 60	90% Ss: lt-m-gry, brn, clr-wht, f-mg, uncons, calc, fair por w/carb incl 10% Sh: AA
60 - 70	100% Ss: AA
70 - 80	30% Ss: clr-lt gry, s & p, fg, sbrnd, uncons, calc, sl cly fld, occ carb incl 70% Sh: m gry-dk gry, frm, blk, micmica i p Tr. Coal: blk, blk, vit
80 - 90	70% Ss: AA 20% Sh: AA 10% Coal: AA
1490 - 1500	60% Ss: AA 20% Sh: AA 20% Coal: AA
1500 - 10	40% Ss: clr-lt gry, lt brn w/feld incl, fg, sbrnd, calc, fair por, w/occ carb incl 50% Sh: m gry-dk gry, gry-grn, frm, blk, sl carb 10% Coal: blk, blk, vit
10 - 60	N.S. (well flowing)
60 - 70	10% Ss: clr-lt gry, fg, sbrnd, uncons, msrt, calc, fair por w/occ carb incl 90% Sh: m gry-dk gry, frm, blk, sl carb i p Tr. Coal: AA
70 - 80	10% Ss: AA 80% Sh: AA 10% Coal: blk, blk, vit
80 - 90	10% Ss: AA 90% Sh: AA
1590 - 1600	30% Ss: clr-wht, lt gry, s & p, fg, sbrnd, uncons, occ carb incl 70% Sh: lt-dk gry, frm, blk, micmica i p Tr. Chert: clr, cg, sbang

1600 - 10	40% Ss: AA 60% Sh: AA Tr. Chert: AA Tr. Coal: blk, blk, vit
10 - 20	30% Ss: AA, more lt gry & s & p 70% Sh: AA
20 - 30	40% Ss: clr-wht, s & p, lt gry, f-mg, calc, fair por, w/carb incl 50% Sh: lt-m gry, frm, blk, sl carb i p 10% Coal: clr, cg, sbang
30 - 40	60% Ss: AA 40% Sh: AA
40 - 50	30% Ss: AA 70% Sh: AA
50 - 60	30% Ss: clr-wht, lt-m gry, fg, sbrnd, calc, bcmg more cly fld, w/occ cht incl 70% Sh: gry-grn, frm, blk-plty, micmica i p
60 - 70	80% Ss: clr-wht, s & p, fg, sbang-sbrnd, calc, fair por w/carb incl 20% Sh: gry-grn, frm, blk-plty, sl carb i p
70 - 80	90% Ss: AA 10% Sh: AA
80 - 90	50% Ss: AA 50% Sh: AA
1690 - 1700	60% Ss: wht, lt gry-m gry, fg, sbang-sbrnd, calc, fair por w/carb incl 40% Sh: gry-grn, frm, blk-plty, micmica i p, slty
1700 - 10	40% Ss: AA 60% Sh: AA
10 - 20	30% Ss: AA 70% Sh: AA
20 - 30	N.S.