

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 _____		5. LEASE DESIGNATION AND SERIAL NO. SF-078106	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Energy Reserves Group, Inc.		7. UNIT AGREEMENT NAME Gallegos Canyon Unit	
3. ADDRESS OF OPERATOR P.O. Box 3280, Casper, Wyoming 82602		8. FARM OR LEASE NAME Gallegos Canyon Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1,080' FNL, 1,720' FEL (NW NE) At top prod. interval reported below At total depth		9. WELL NO. 297	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Kutz Pictured Cliffs, West	
15. DATE SPUDDED 1-3-80		11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA Sec. 15-T28N-R12W	
16. DATE T.D. REACHED 1-7-80		12. COUNTY OR PARISH San Juan	
17. DATE COMPL. Ready to prod. MAR 8 1980 3-26-80		13. STATE New Mexico	
18. ELEVATIONS (DF, RBB, ET, GR, ETC.)* GRD 5,595' KB 5,595'		19. ELEV. CASINGHEAD -----	
20. TOTAL DEPTH, MD & TVD 1,697'		21. PLUG, BACK T.D., MD & TVD 1,635'	
22. IF MULTIPLE CEMENT INTERV. DRILLED BY U.S. GEOLOGICAL SURVEY FARMINGTON, N.M.		ROTARY TOOLS O-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1,472'-81'		CABLE TOOLS -----	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction-Spherically Focused; Comp. Neutron-Form Density		27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	19.66#	131' KB	12-1/4"
4-1/2"	10.5#	1,668' KB	6-3/4"
CEMENTING RECORD		AMOUNT PULLED	
100 sks 'B' + 3% CaCl ₂		-0-	
1/4#/sk Flocele		-0-	
325 sks 50-50 Pozmix +		-0-	
1/4#/sk Flocele + 2% Gel *		-0-	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
		None	
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	1,483'	None	
31. PERFORATION RECORD (Interval, size and number)			
1,472'-81' w/1 JSPF (10 holes)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
1,472'-81'		B.D. 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)	
		SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
3-25-80	24	3/4"	0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO
80 psi	SI 250 psi	0	129 260 NA
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>Hean Barnes</u>		TITLE <u>Dist Prod Engr- RMD</u>	
DATE <u>3-27-80</u>		DATE <u>APR 1 1980</u>	

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

FARMINGTON DISTRICT
BY McL Kuchera

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: 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			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			See Attached	LOG TOPS		
			* 4-1/2" cemented back to surface	Ojo Alamo	200'	
				Kirtland	302'	
				Fruitland	1,171'	
				Pictured Cliffs	1,455'	
				Lewis	1,652'	
				TD Driller	1,685'	
				Logger	1,697'	

SAMPLE DESCRIPTION

130 - 90 100% Ss: mlky wht, cg, sbang, lse, occ lithic frags.
190 - 220 90% Ss: AA
10% Coal: blk, vit
20 - 80 100% Ss: AA
280 - 310 100% Sh: lt gry, sft, blk, clayey
10 - 40 100% Sh: AA, sl slty
40 - 70 100% Ss: wht, cg, sbrnd, lse, occ lithic frags.
370 - 400 80% Sh: gry, sft, blk, clayey
20% Ss: AA
400 - 30 100% Sh: lt gry, sft, blk, clayey-slty
30 - 60 90% Sh: AA, scat pyrite masses
10% Chert: mlky wht-clr, cg, ang
60 - 90 10% Ss: wht, mg, sbang, sl cly fld, gd por
90% Sh: AA
Tr. Chert: AA
490 - 520 100% Sh: gry, sft, plty, clayey
20 - 50 100% Sh: AA, some slty
50 - 80 10% Ss: wht, mg, sbang, sl cly fld, fair por, sl feld
90% Sh: AA, sl sndy
580 - 640 10% Ss: AA
90% Sh: bl gry-gry, sft, plty, micromic.
40 - 70 100% Sh: gry-bl gry, sft, blk, sl slty
670 - 700 20% Ss: wht, mg, sbang, sl cly fld, fair por, sl feld
80% Sh: AA
700 - 30 10% Ss: AA
90% Sh: gry, sft, plty, clayey
30 - 60 20% Ss: bl gry, fg, sbrnd, glauc, fair por-tite
80% Sh: AA
60 - 90 10% Ss: AA
90% Sh: gry-brn, frm, blk, slty
790 - 820 N.S.

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

50 - 80 20% Ss: wht, mg, sbrnd, sl cly fld, gd por, sl feld
70% Sh: gry, sft, blk, sndy
10% Chert: mlky wht, cg, sbang

880 - 910 40% Ss: wht, fg, sbrnd, mod cly fld, fair por-tite, sl feld,
w/occ carb incl
60% Sh: gry, sft, plty, clayey

10 - 40 30% Ss: AA
70% Sh: gry-brn, frm, blk-plty, slty, w/carb incl

40 - 70 100% Sh: gry, sft, plty, clayey

970 - 1000 50% Ss: wht, fg, sbrnd, cly fld, tite, w/occ carb incl,
sl feld
50% Sh: AA

1000 - 30 70% Ss: AA
30% Sh: AA, occ kaolinite frags

30 - 60 100% Sh: gry-dk brn, sft, blk-plty, clayey

60 - 90 100% Sh: gry, sft, plty, clayey

1090 - 1120 30% Ss: wht, fg, sbang, sl cly fld, fri, gd por, sl glauc
70% Sh: gry-brn, frm, blk, slty, some carb

20 - 50 100% Sh: AA, less slty

50 - 80 90% Ss: wht, fg, sbrnd, sl cly fld, gd por, fri-some lse,
sl feld, w/occ carb incl
10% Sh: AA

1180 - 1210 100% Sh: gry, sft, plty, clayey, some coaly and blk

10 - 40 90% Ss: wht, fg, sbrnd, sl cly fld, fri, some lse, gd por,
sl glauc, sl feld, s & p, calc
10% Sh: AA

40 - 70 50% Sh: AA
50% Coal: blk, vit

1270 - 1310 100% Sh: lt gry, sft, blk, slty, w/occ carb incl

10 - 30 30% Ss: wht, fg, sbang, sl cly fld, fair por, w/occ carb
incl
70% Sh: AA

30 - 50 40% Ss: wht, f-mg, sbrnd, sl cly fld, fri, some lse, gd
por, sl glauc, calc
60% Sh: gry-brn, frm, blk, slty, w/carb incl

1350 - 70 90% Ss: AA, s & p
10% Sh: AA

70 - 80 40% Ss: wht, mg, sbrnd, mod cly fld, fair por, w/occ carb incl, calc
60% Sh: gry, sft-frn, blk, sl slty

80 - 90 40% Ss: AA
50% Sh: AA
10% Chert: mlky wht-trans brn, cg, sbang

1390 - 1410 40% Ss: wht, f-vfn-g, sbrnd, mod cly fld, tite, calc, s & p
20% Sh: brn, frm, blk, slty, coaly
40% Coal: blk, vit

10 - 30 30% Ss: gry-wht, fg, sbrnd, sl-mod cly fld, fair por, s & p, calc, w/occ carb incl
70% Sh: brn, frm, blk, slty, lignitic

30 - 40 10% Ss: AA
90% Sh: AA, some clayey

40 - 50 50% Ss: wht, f-mg, mod cly fld, fair por, sl glauc, calc, occ carb incl
50% Sh: gry-brn, frm, blk, slty, sl calc

50 - 60 80% Ss: AA, sl feld, s & p
20% Sh: AA

60 - 70 80% Ss: AA, fg,
20% Sh: AA

70 - 80 80% Ss: AA
20% Sh: AA

80 - 90 60% Ss: AA
40% Sh: AA

1490 - 1500 90% Ss: AA
10% Sh: AA

1500 - 10 N.S.

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

20 - 30 60% Ss: AA, gry-wht
40% Sh: AA

30 - 40 30% Ss: wht, fg, sbrnd, cly fld, tite, occ carb incl
70% Sh: gry-brn, sft, plty, sl clayey

40 - 50 40% Ss: wht, vfn-g, sbrnd, cly fld, tite, s & p, calc
60% Sh: gry-brn, sft, blk, plty

1550 - 60	50% Ss: AA 50% Sh: AA, some sl slty
60 - 70	80% Ss: AA 20% Sh: AA
70 - 80	50% Ss: AA 50% Sh: AA
80 - 90	70% Ss: AA 30% Sh: AA
1590 - 1600	N.S.
1600 - 10	30% Ss:wht, vfn-g, sbrnd, vy cly fld, tite, calc 70% Sh: lt gry, sft, blk, sndy
10 - 20	40% Ss: AA 60% Sh: AA
20 - 30	50% Ss: wht, vfn-g, sbrnd, mod cly fld, poss sl porosity, s & p 50% Sh: AA
30 - 40	70% Ss: AA 30% Sh: AA
40 - 50	50% Ss: AA 50% Sh: AA
1650 - 85	100% Sh: AA