

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						7. UNIT AGREEMENT NAME	
Energy Reserves Group, Inc.						E.H. Pipkin	
3. ADDRESS OF OPERATOR						8. WELL NO.	
P.O. Box 3280 - Casper, Wyoming 82602						12-E	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						10. FIELD AND POOL, OR WILDCAT	
At surface 1,460' FNL, 1,160' FWL (SW NW)						Basin Dakota	
At top prod. interval reported below						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
At total depth						Sec. 12-T27N-R11W	
14. PERMIT NO.				DATE ISSUED		12. COUNTY OR PARISH	
						San Juan	
						13. STATE	
						New Mexico	
15. DATE SPUNDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	
1-31-80		2-22-80		4-12-80		GRD 5,956' KB 5,970'	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL. HOW MANY*		23. INTERVALS DRILLED BY	
6,455'		6,411'		NA		0-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
6,290'-96'; 6,302'-07'; 6,312'-13' Dakota						NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
Induction - SFL; Comp Neutron - Form. Density						NO	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24#		871' KB		12-1/4"	
4-1/2"		10.5#		6,454'		7-7/8"	
						CEMENTING RECORD	
						500 sks 'B' + 2% CaCl + 1/4#/sk Flocele	
						See Back of Page	
						AMOUNT PULLED	
						-0-	
						-0-	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
				None			
						SCREEN (MD)	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8"		6,323'		None			
31. PERFORATION RECORD (Interval, size and number)							
6,290'-96'; 6,302'-07'; 6,312'-13' w/1 JSPF							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
6290'-6313'				BD w/1000 Gals 7-1/2% Spearhead acid + 10% Methanol + additives + 500 SCF N ₂ /bbl. + 20 Ball Sealer Frac - See back of page			
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		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
4-12-80		24		1/2"		15	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
200 psi		SI 400 psi		15		15	
						GAS—MCF.	
						627	
						WATER—BBL.	
						10 Frac	
						GAS-OIL RATIO	
						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		Hean B. Barnes		TITLE		Dist Prod. Engr-RMD	
						DATE 4-14-80	

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

NMOCC

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			<u>SEE ATTACHED</u> 4-1/2" cementing - 1st stage 175 sks 50-50 Pozmix + 2% Gel + 1/4#/sk Flocele followed w/250 sks "B" + 10% Salt + 1/4#/sk Flocele. Stage Collar @ 4,515' 2nd Stage - 550 sks 65-35 Pozmix + 12% Gel + 10#/sk Gilsonite followed w/500 sks 50-50 Pozmix + 2% Gel + 12-1/2#/sk Gilsonite. Temp cement top @ 1,150'± Frac Job - 52,500 Gals 30# Mini-Max III + 10% Methanol + 400 SCF N₂/BBL + 106,250# 20-40 Sand.

38.

GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
<u>LOG TOPS</u>			
Fruitland	1,569'		
Pictured Cliffs	1,781'		
Lewis	1,879'		
Chacra	2,688'		
Cliff House	3,317'		
Menefee	3,449'		
Point Lookout	4,144'		
Mancos	4,464'		
Gallup	5,326'		
Base Gallup	5,690'		
Greenhorn	6,137'		
Graneros	6,191'		
Dakota	6,237'		
Dakota Pay	6,288'		
TD Driller	6,455'		
Logger	6,453'		

SAMPLE DESCRIPTION

- 1430 - 60 100% Sh: gry, sft, blk-y-plty, clayey
Tr. Ss: wht, fg, mod cly fld, fair por.
- 60 - 90 100% Sh: AA, slty, some coaly
- 1490 - 1520 90% Sh: gry, sft, blk-y, clayey, sl swelling
10% Coal: blk, vit.
- 20 - 50 100% Sh: AA
Tr. Coal: AA
- 50 - 80 10% Ss: wht, fg, sbrnd, mod cly fld, fair por, w/occ carb
incl
90% Sh: AA, some sl coaly
- 1580 - 1610 20% Ss: AA, sl-mod cly fld, fair-gd por
80% Sh: AA
- 10 - 40 10% Ss: AA
80% Sh: AA
10% Coal: blk, vit
- 40 - 70 10% Ss: wht, mg, sbang, sl cly fld, firm, tite, sl feld, sl
calc
60% Sh: AA
30% Coal: AA
- 1670 - 1700 70% Sh: AA
30% Coal: AA
- 1700 - 30 10% Ss: wht, fg, sbrnd, cly fld, tite
80% Sh: AA
10% Coal: AA
- 30 - 60 20% Ss: wht, mg, sbang, cly fld, tite, calc
70% Sh: AA
10% Coal: AA
- 60 - 90 100% Coal: AA
- 1790 - 1800 50% Ss: wht, f-mg, sbang, mod cly fld, fair por-tite, calc,
sl feld, s & p
40% Sh: gry, sft, blk-y, clayey
10% Coal: blk, vit
- 1800 - 30 70% Ss: wht, fg, sbrnd, cly fld (swelling), calc, sl feld
20% Sh: AA
10% Coal: AA
- 30 - 60 90% Ss: AA
10% Sh: AA
- 1860 - 1920 N.S.

1920 - 50 100% Sh: gry, frm, blk, slty, sl calc, w/carb incl, some
dk gry and carb
Tr. Coal: blk, vit

50 - 80 100% Sh: AA

1980 - 2000 100% Sh: AA, sl slty

2000 - 60 100% Sh: gry, frm, blk, slty, w/occ carb incl

60 - 90 100% Sh: gry-dk gry, frm, blk, sl slty, w/occ carb incl,
sl carb, sl calc

2090 - 2120 100% Sh: AA, less slty, less carb

20 - 50 100% Sh: AA, sl micromic, w/occ carb incl

2150 - 2210 100% Sh: AA, sl slty

2210 - 2300 N.S.

2300 - 30 100% Sh: gry, frm, blk-plty, slty, w/occ carb incl, some
sft and clayey, sl calc
Tr. Chert: mlky wht, cg, sbrnd

30 - 60 100% Sh: gry-brn, frm, blk, slty, w/carb incl, sl calc
Tr. Coal: blk, vit

2360 - 2420 100% Sh: gry, frm, blk, slty-sndy, sl calc

20 - 50 100% Sh: gry, sft, blk, swelling, w/occ carb incl, sl calc

50 - 80 100% Sh: AA
Tr. Chert: clr, cg, ang.

2480 - 2510 100% Sh: AA, some plty and clayey

2510 - 2600 100% Sh: gry, sft, blk, w/occ carb incl, sl calc

2600 - 30 100% Sh: gry, frm, blk, slty, sl calc

30 - 60 50% Ss: clr gry, fg, sbrnd, sl cly fld, gd-fair por, s & p,
calc
50% Sh: AA

60 - 90 20% Ss: AA
80% Sh: AA
Tr. Coal: blk, vit

2690 - 2720 10% Ss: AA
90% Sh: AA, some sndy

20 - 50 40% Ss: gry, fg, sbrnd, sl cly fld-sl shly, fair por, w/carb
incl, calc
60% Sh: AA
Tr. Coal: blk, vit

2750 - 80 20% Ss: gry, vfn-fn-g, sbrnd, mod cly fld, fair por, calc,
 w/occ carb incl
 80% Sh: AA

2780 - 2810 40% Ss: gry, fg, sbrnd, sl shly-sl cly fld, fair por, w/occ
 carb incl, calc
 60% Sh: lt gry, frm, blk, slty, w/carb incl

10 - 40 40% Ss: AA
 60% Sh: some dk gry and carb

40 - 70 60% Ss: wht-lt gry, fg, sbrnd, sl cly fld, fair por, w/carb
 incl, calc, some lse
 40% Sh: lt-m gry, frm, blk, some slty, sl carb

2870 - 2900 40% Ss: lt gry-gry, fg, sbrnd, mod cly fld, fair por, s & p,
 occ lse grns
 60% Sh: AA, some dk gry

2900 - 30 20% Ss: AA
 80% Sh: AA

2930 - 3020 N.S.

20 - 50 100% Sh: gry, frm, blk, slty, w/occ carb incl

50 - 80 100% Sh: AA, blk-plty

3080 - 3110 90% Sh: AA
 10% Clystn: wht, sft, swelling

10 - 40 N.S.

3140 - 3200 100% Sh: gry-brn, frm, blk, slty, w/occ carb incl

3200 - 60 100% Sh: AA, blk-plty, less slty, clayey

60 - 90 10% Ss: gry, fg, sbrnd, shly, tite, w/occ carb incl
 90% Sh: AA

3290 - 3350 100% Sh: AA, slty

3350 - 3470 N.S.

3470 - 3500 100% Sh: bl gry-brn, sft, plty, clayey, some sl slty

3500 - 30 10% Ss: gry-wht, fg, sbang, cly fld, tite
 80% Sh: AA
 10% Coal: blk, vit

30 - 60 90% Sh: gry-brn, frm, plty, sl slty, w/occ carb incl
 10% Coal: blk, vit

3560 - 3620 100% Sh: AA, some slty
 Tr. Coal: AA

3620 - 50 10% Ss: wht, fg, sbrnd, sl cly fld, fair por, s & p, calc
 90% Sh: AA, sl less slty

 50 - 80 90% Sh: gry, blk, frm, sl slty-sl clayey, w/occ carb incl
 10% Coal: blk, vit

 3680 - 3710 100% Sh: AA, slty

 10 - 40 100% Sh: gry, frm, plty, w/occ carb incl, scat. pyrite masses

 40 - 70 10% Ss: wht, mg, sbrnd, mod cly fld, sl porous, sl glauc, cal
 90% Sh: AA

 3770 - 3800 10% Ss: AA, less cly fld, sbang, fair por
 90% Sh: AA

 3800 - 30 100% Sh: gry-brn, frm, blk, sl slty, w/occ carb incl

 30 - 60 100% Sh: AA, less slty

 60 - 90 30% Sh: AA
 70% Coal: blk, vit

 3890 - 3920 60% Sh: gry, sft, plty, clayey
 40% Coal: blk, vit

 20 - 50 100% Sh: gry, sft, blk-plty, sl slty-clayey

 3950 - 4110 N.S.

 4110 - 40 10% Ss: wht, mg, sbrnd, cly fld, tite
 90% Sh: gry, sft, plty, some dk gry and carb

 40 - 70 10% Ss: AA
 90% Sh: bl gry-gry, sft, blk, clayey

 4170 - 4200 100% Sh: AA, less clayey-sl slty

 4200 - 30 100% Sh: gry, frm, plty

 30 - 60 100% Sh: AA, some w/carb incl

 60 - 90 100% Sh: AA, blk-plty

 4290 - 4350 100% Sh: AA

 4350 - 4400 N.S.

 4400 - 30 100% Sh: gry-dk gry, frm, blk, w/carb incl

 30 - 60 10% Ss: wht, fg, sbrnd, mod cly fld, frm, poss. sl. porosity,
 calc
 90% Sh: AA

 60 - 90 100% Sh: AA, blk-plty, some clayey, sl calc

 4490 - 4550 N.S.

 50 - 80 100% Sh: gry, frm, plty-blk, sl clayey, some dk gry and sl
 coaly, sl calc

4580 - 4640 100% Sh: AA, some sl slty

40 - 70 100% Sh: lt gry-gry, sft, blk, clayey, sl calc

4670 - 4700 100% Sh: lt gry-gry-brn, sft-firm, blk-plt, some clayey,
some carb, sl calc

4700 - 60 100% Sh: lt gry-gry, firm, plt, slty, sl calc

4760 - 5320 100% Sh: lt gry-brn, firm, sl calc

20 - 40 10% Ss: lt gry-wht, f-mg, sbang, cly fld, some glauc, sl calc
poss sl porosity, wk blu fluor w/vy wk cut
90% Sh: gry, firm, sl calc

40 - 60 100% Sh: AA

60 - 70 10% Ss: gry, vfn-g, sbrnd, cly fld, sl calc, poss sl porosity
wk blu fluor w/vy wk cut
90% Sh: AA

70 - 80 100% Sh: AA

5380 - 5410 10% Ss: clr-brn-gry, f-mg, sbrnd, mod cly fld, sl shly,
sl porous, dull yel to blu fluor w/wk cut
90% Sh: AA

10 - 50 100% Sh: gry, firm, sl calc, some sndy

50 - 80 10% Ss: clr-gry, fg, sbrnd, cly fld, shly, vy sl calc, vy
sl porous, yell to blu fluor w/wk cut
90% Sh: AA

5480 - 5500 100% Sh: AA

5500 - 30 10% Ss: clr-wht, vfn-g, sbrnd, cly fld, shly, sl calc,
poss sl porosity, dull yel fluor w/vy poor cut
90% Sh: AA

5530 - 5600 VPS, too much LCM

5600 - 60 LCM (lost 100 bbls @ 5600')

60 - 80 100% Sh: gry, calc, firm

80 - 90 30% Ss: gry-wht-clr, mg, sbrnd, clean, sl calc, w/some shale
incls, porous, faint yel fluor w/wk cut
70% Sh: AA

5690 - 5740 VPS
100% Sh: gry, calc, firm

40 - 80 10% Ss: wht-clr, fg, sbrnd, shly, sl calc, hard, tite, faint
yel fluor w/vy wk cut
90% Sh: AA

5780 - 6000 VPS
100% Sh: gry, calc, firm, some slty, w/occ clr chert frags.

6000 - 50 LCM, lost 50 bbls @ 6020'

6050 - 6150 100% Sh: gry-dk gry, frm, calc, slty, some carb frags

6150 - 6200 100% Sh: dk gry-brn, frm, vy calc, some calcite xls

6200 - 40 100% Sh: dk gry, splintery, hard, calc, pyritic in part

40 - 70 20% Ss: clr-gry, fg, sbrnd, calc, hard, sl shly, sl cly fld,
sl porous, dull yel fluor w/wk cut
80% Sh: dk gry, splintery, calc, firm

70 - 90 100% Sh: dk gry, sft-frm, clayey in part, some sand incls.

6290 - 6330 30% Ss: clr-gry, fg, sbrnd, sl cly fld, calc, mod porosity,
dull yel fluor w/fair cut
70% Sh: AA

30 - 40 100% Sh: AA
Tr. Ss: AA

40 - 50 10% Ss: AA
90% Sh: AA

50 - 60 100% Sh: AA

60 - 90 10% Ss: gry, fg, sbrnd, hvy cly fld, calc, sl shly, poss
sl porosity, lt blu and dull yel fluor w/vy wk cut
90% Sh: AA

6390 - 6410 100% Sh: gry-dk gry, frm, calc, tr. pyrite and silt

10 - 50 20% Ss: gry-wht, f-mg, sbrnd, shly, mod cly fld, sl porous,
lt blu fluor w/vy wk cut
10% Coal: blk, vit
70% Sh: AA

TD 6455