

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-B355.5.

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 1,045' FSL, 1,075' FWL (SW SW)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR
PARISH

13. STATE

San Juan

New Mexico

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

19. ELEV. CASINGHEAD

1-7-80

1-9-80

3-22-80

GRD 5,532' KB 5,542'

20. TOTAL DEPTH, MD & TVD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

1,687'

1,636'

NA

0 - TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

1,416'-24' - Pictured Cliffs

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction-Electric; Linear Neutron - Comp. 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	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	19.66#	131' KB	12-1/4"	100 sks 'B' + 3% CaCl ₂ + 1/4#/sk Flocele	-0-
4-1/2"	10.5#	1,669' KB	6-3/4"	300 sks 50-50 Pozmix + 2% Gel + 1/4#/sk Flocele *	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		None			2-3/8"	1,457'	None

31. PERFORATION RECORD (Interval, size and number)

1,416'-24' w/1 JSPF (9 hole)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1416'-24'	B.D. w/500 gals 15% HCl + additives. Flood w/24,000 gals 70% quality acid. 40,000# 10-20 sand 2 PPG.

33.* PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	LEAS OIL RATIO
3-21-80	24	3/4"	→	0	147	224	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-APL (CORR.)	
70 psi	SI 145 psi	→	0	147	224	NA	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented During Test

TEST WITNESSED BY

T.C. Durham

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 3-24-80

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

MAJCC

BY

ML 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" csg cemented back to surface	Kirtland	250'	
				Fruitland	1,114'	
				Pictured Cliffs	1,410'	
				Lewis	1,612'	
				TD Driller	1,675'	
				Logger	1,687'	

SAMPLE DESCRIPTION

130 - 280	100% Ss: wht, cg, sbrnd, lse, feld.
280 - 340	100% Ss: AA, mg
340 - 70	100% Sh: lt gry-lt brn, sft, blk, clayey-slt
370 - 430	50% Ss: clr, fg, sbang, lse 50% Sh: AA
430 - 90	30% Ss: wht, fg, sbrnd, mod cly fld, fair por 70% Sh: AA
490 - 520	100% Sh: lt gry, sft, blk, slt-sl sndy
20 - 50	100% Sh: AA, less sndy
50 - 80	20% Ss: wht, fg, sbang, cly fld, tite 80% Sh: bl gry, sft, blk, sl slt
580 - 610	30% Ss: AA 70% Sh: AA, bl gry-brn
10 - 40	100% Ss: wht, fg, sbang, lse, fri, gd porosity
40 - 70	100% Sh: lt gry, sft, plty, sl slt
670 - 700	N.S.
700 - 60	100% Sh: lt gry, sft, plty, clayey-sl slt
760 - 820	N.S.
20 - 50	10% Ss: wht, fg, sbrnd, cly fld, tite 90% Sh: bl gry, sft, plty, clayey
50 - 80	N.S.
880 - 910	50% Ss: wht, fg, sbrnd, lse, fri, gd por. 50% Sh: AA
10 - 40	10% Ss: wht, vfn-g, sbrnd, cly fld, tite 90% Sh: bl gry, sft, blk, clayey
40 - 70	30% Ss: clr wht, fg, sbang, lse, fri, gd por 70% Sh: AA
970 - 1000	20% Ss: AA 80% Sh: bl gry, sft, plty, clayey
1000 - 30	100% Sh: AA

1030 - 60 100% Sh: lt gry, sft, blk, slty, w/carb incl, some sl coaly
 60 - 90 60% Ss: clr-wht, fg, sbrnd, lse, fri, gd. por.
 40% Sh: AA, some coaly
 1090 - 1150 N.S.
 50 - 80 100% Sh: lt gry-dk gry, sft, plty, slty, some coaly
 1180 - 1210 50% Ss: wht, fg, sbrnd, mod cly fld, fair por,
 sl feld, sl glauc, w/carb incl
 50% Sh: AA
 10 - 40 20% Ss: AA
 80% Sh: AA
 1240 - 1300 40% Ss: wht, vfn-g, sbrnd, cly fld, tite, s & p
 60% Sh: lt gry, frm, blk, slty
 1300 - 10 N.S.
 10 - 40 100% Ss: wht, fg, sbrnd, mod cly fld, fair por, s & p,
 calc
 40 - 50 50% Ss: AA
 50% Sh: gry, brn, frm, plty, sl slty w/carb incl
 50 - 60 100% Sh: AA, slty
 60 - 70 N.S.
 70 - 80 100% Sh: gry, sft, blk
 80 - 90 50% Sh: AA
 50% Coal: blk, vit
 1390 - 1400 100% Sh: bl gry, frm, blk, slty
 1400 - 50 100% Ss: AA, fair por
 50 - 60 90% Ss: AA
 10% Sh: gry, brn, frm, blk, slty, sl carb
 60 - 70 70% Ss: AA
 30% Sh: gry-dk gry, sft, blk, clayey
 70 - 80 100% Ss: wht, fg, sbrnd, cly fld, tite, s & p, calc, sl feld
 1480 - 1500 90% Ss: AA
 10% Sh: gry, sft, plty, clayey, some dk gry and carb
 1500 - 20 80% Ss: wht, fg, sbrnd, cly fld, tite, calc, s & p, sl feld
 20% Sh: AA
 20 - 30 80% Ss: AA
 20% Sh: lt gry, sft, blk, slty, calc, w/carb incl
 30 - 50 70% Ss: AA
 30% Sh: AA

1550 - 70 100% Sh: AA

70 - 80 N.S.

80 - 90 100% Sh: AA

1590 - 1600 30% Ss: wht, vfn-g, sbang, cly fld, tite, s & p, calc
70% Sh: AA

1600 - 75 N.S.