

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Folder approved
Budget Bureau No. 42 RY 55

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 _____				5. LEASE DESIGNATION AND SERIAL NO. SE - 078904											
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 _____				6. 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, WY 82602				8. FARM OR LEASE NAME											
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1,460' FSL, 1,840' FEL (NW SE) At top prod. Interval reported below At total depth				9. WELL NO. 280											
14. PERMIT NO.				10. FIELD AND POOL OR WILDCAT Kutz Pictured Cliffs.											
DATE ISSUED				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 24 T28N-R12W											
15. DATE SPUNDED 8-22-79				12. COUNTY OR PARISH San Juan											
16. DATE T.D. REACHED 8-28-79				13. STATE New Mexico											
17. DATE COMPL. (Ready to prod.) 9-25-79				18. ELEVATIONS (DF, RGR, RT, GR, ETC.)* Grd 5,785' KB 5,795'											
19. ELEV. CASINGHEAD				20. TOTAL DEPTH, MD & TVD 1,865'											
21. PLUG, BACK T.D., MD & TVD 1,795'				22. IF MULTIPLE COMPL., HOW MANY*											
23. INTERVALS DRILLED BY				ROTARY TOOLS 0 - T.D.											
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1,648' - 57'; 1,661' - 67'				25. WAS DIRECTIONAL SURVEY MADE No											
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction - SFL; 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		CEMENTING RECORD		AMOUNT PULLED					
8-5/8"		36#		132' KB		12-1/4"		100 sx "B" & 2% CaCl ₂ & 1/4#/sx Flocele		-0-					
4-1/2"		10.79#		1,835' KB		6-3/4"		135 sx 65-35 Poz-Tail in w/135 sx "B" *		-0-					
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
None										2-3/8"		1,669'		None	
31. PERFORATION RECORD (Interval, size and number)								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
1,648' - 57' w/4 JSPF 1,661' - 67' w/2 JSPF								DEPTH INTERVAL (MD) 1,661' - 67'				AMOUNT AND KIND OF MATERIAL USED 25,000 gals 70% Quality foam & 40,000# 10-20 sd at 2 ppg.			
33.* PRODUCTION															
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in) S.I.							
DATE OF TEST 9-25-79		HOURS TESTED 24		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD →		OIL - BBL. -0-		GAS - MCF. 461		WATER - BBL. 79		GAS-OIL RATIO	
FLOW. TURNING PRESS. 100#		CASING PRESSURE 200#		CALCULATED 24-HOUR RATE →		OIL - BBL. -0-		GAS - MCF. 461		WATER - BBL. 79		OIL GRAVITY API			
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 9-26-79							

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

RECEIVED
OCT 17 1979
OIL CON. COM.
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 report 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: "Seals (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 FORMER 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		
FOUNDATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH Top	TRUE VERT. DEPTH
			See Attached	Nacimientito	Log Tops	
				Ojo Alamo	Surface	
				Kirtland	4,77'	
				Fruitland	568'	
				Pictured Cliffs	1,404'	
				Lewis	1,639'	
				T.D. Driller	1,838'	
				Logger	1,865'	
					1,866'	

* 4-1/2" csg cmtd to surface.

SAMPLE DESCRIPTION

390 - 400	90% Ss: clr, crs-g, sbrnd, lse, porous, <u>N-S</u> 10% Sh: gry, silty, firm
400 - 30	80% Ss: clr, crs-g, sbrnd, lse, cherty, porous, <u>N-S</u> 20% Sh: AA
30 - 70	30% Ss: AA 70% Sh: AA
70 - 90	50% Ss: AA 50% Sh: AA
90 - 500	90% Ss: clr, crs-vy-crs-g, sbrnd-sbang, vy cherty, lse, <u>N-S</u> 10% Sh: gry, silty, firm, w/some mafics
500 - 10	80% Ss: AA 10% Sh: AA 10% Coal: blk, vitreous
10 - 50	80% Ss: AA 20% Sh: AA
50 - 60	20% Ss: AA 80% Sh: AA
560 - 620	90% Ss: AA 10% Sh: AA
620 - 50	20% Ss: AA 80% Sh: AA
50 - 90	50% Ss: clr, m-crs-g, sbrnd, cherty, lse, <u>N-S</u> 50% Sh: AA, w/pyrite
90 - 700	20% Ss: AA 80% Sh: AA
700 - 10	30% Ss: AA 70% Sh: AA
10 - 30	50% Ss: AA 50% Sh: AA
30 - 50	70% Ss: AA 30% Sh: AA
50 - 70	60% Ss: clr, fn-m-g, sbrnd, vy clay filled, friable, porous, <u>N-S</u> 40% Sh: gry, firm, silty, pyritic
70 - 80	10% Ss: AA 90% Sh: AA
80 - 90	20% Ss: wht, vfn-g, sbrnd, vy clay filled, soft, tite, <u>N-S</u> 80% Sh: AA

790 - 850	50% Ss: clr-wht, fn-g, sbrnd, clean, porous, <u>N-S</u> 50% Sh: AA
850 - 80	30% Ss: clr-wht, m-g, sbrnd, w/shale incls., clayey, firm, sl porous, <u>N-S</u> 70% Sh: AA
80 - 90	20% Ss: AA 80% Sh: AA
90 - 900	30% Ss: AA 70% Sh: AA
900 - 10	10% Ss: AA 90% Sh: AA
10 - 20	20% Ss: AA 80% Sh: AA
20 - 50	10% Ss: AA 90% Sh: AA
50 - 60	10% Ss: clr, fn-g, sbrnd, clean, clayey in part, sl porous, <u>N-S</u> 90% Sh: AA
960 - 1010	Cavings
1010 - 40	20% Ss: clr-gry, fn-g, sbrnd, clay filled, friable, porous, <u>N-S</u> 80% Sh: gry, firm, silty in part
40 - 50	30% Ss: AA 70% Sh: AA
50 - 60	10% Ss: AA 90% Sh: AA
60 - 70	40% Ss: AA 60% Sh: gry, firm, sandy
70 - 80	100% Sh: gry, firm, silty
80 - 90	10% Ss: lt gry, fn-g, sbrnd, firm, w/shale incls., clay filled, sl porous, <u>N-S</u> 90% Sh: AA
90 - 1100	20% Ss: AA 80% Sh: AA
1100 - 10	30% Ss: AA 70% Sh: AA
10 - 90	No Samples
1190 - 1210	LCM
1210 - 20	100% Sh: gry, firm

1220 - 1300 No Samples

1300 - 10 90% Sh: gry, firm
10% Coal: blk, shaly

10 - 50 No Samples

50 - 70 100% Sh: gry, carb, soft, clayey

70 - 80 10% Ss: gry, fn-g, sbrnd, firm, vy clay filled,
tite, N-S
80% Sh: gry, firm, carb. in part, some clayey
10% Coal: blk, shaly

1380 - 1400 100% Sh: AA

1400 - 20 No Samples

1420 - 30 LCM

30 - 40 80% Sh: gry, firm, carb. in part, some clayey
20% Coal: blk, vitreous

40 - 50 30% Ss: lt gry, fn-g, sbrnd, vy shaly & clay filled,
firm, poss. sl. porous, N-S
70% Sh: gry, firm, vy pyritic

50 - 60 10% Ss: AA
90% Sh: AA

60 - 70 10% Ss: clr, vfn-g, sbrnd, vy clay filled, soft,
tite, N-S
90% Sh: AA

70 - 80 10% Ss: AA
30% Sh: AA
60% Coal: blk, vitreous

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

1490 - 1500 No Samples

1500 - 10 20% Ss: gry, vfn-fn-g, sbrnd, firm-hard, mod. clay fill,
poss. sl. porous, N-S
60% Sh: AA
20% Coal: blk, shaly

10 - 20 10% Ss: AA
70% Sh: AA
20% Coal: AA

20 - 40 No Samples

40 - 50 100% Sh: gry-drk gry-brn, firm, carb. in part

50 - 80 No Samples

1580 - 90 80% Sh: gry, firm, carb. in part
 20% Coal: blk, vitreous

90 - 1600 70% Sh: AA
 30% Coal: blk, shaly

1600 - 10 10% Ss: lt gry, fn-g, sbang, sl arkosic, shaly,
 clay filled, sl porous, N-S
 60% Sh: AA
 30% Coal: AA

10 - 20 30% Ss: AA
 30% Sh: AA
 40% Coal: AA

20 - 30 30% Ss: lt gry-wht, fn-g, sbrnd-sbang, arkosic, w/some
 drk gry shale incls., mod clay fill, sl porous, N-S
 40% Sh: AA
 30% Coal: AA

30 - 40 20% Ss: AA
 60% Sh: AA
 20% Coal: AA

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

50 - 60 30% Ss: clr-lt gry, fn-g, sbrnd, arkosic, sl shaly,
 mod clay fill, friable, sl porous, N-S
 20% Sh: AA
 50% Coal: AA

60 - 80 20% Ss: AA
 20% Sh: AA
 60% Coal: AA

80 - 1700 30% Ss: AA
 10% Sh: AA
 60% Coal: AA

1700 - 10 40% Sh: AA
 60% Coal: AA

10 - 30 10% Ss: clr-wht, vfn-g, sbrnd, vy clay filled, poss.
 sl. porosity, N-S
 50% Sh: AA
 40% Coal: AA

30 - 40 60% Sh: AA
 30% Coal: blk, vitreous
 10% Chert: clr, crs-g, sbang.

40 - 50 20% Ss: lt gry, fn-g, sbrnd, arkosic, mod clay fill,
 sl porous, N-S
 50% Sh: AA
 30% Coal: AA

1750 - 60	10% Ss: AA 60% Sh: AA 30% Coal: AA ;
60 - 70	80% Sh: gry, firm, carb. in part, silty in part 20% Coal: blk, vitreous
1770 - 1820	10% Sh: AA 10% Coal: blk, vitreous 80% Chert: clr-brn, vy crs-g, sbang-sbrnd, w/attached pyrite
1820 - 30	30% Ss: wht, vfn-g, sbrnd, vy shaly, vy clay filled, firm, tite, <u>N-S</u> 70% Sh: AA
30 - 60	No Samples
60 - 70	50% Ss: AA 50% Sh: AA
70 - 80	30% Ss: AA 70% Sh: AA
80 - 85	10% Ss: AA 90% Sh: AA

TD 1885'