

NO. OF COPIES RECEIVED	5
DISTRIBUTION	
SANTA FE	1
FILE	2
U.S.G.S.	
LAND OFFICE	
OPERATOR	1

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

1a. TYPE OF WELL	1b. TYPE OF COMPLETION	2. Name of Operator	7. Unit Agreement Name
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐	NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐	Energy Reserves Group, Inc.	Gallegos Canyon Unit
3. Address of Operator	4. Location of Well	P.O. Box 3280 - Casper, Wyoming 82602	8. Farm or Lease Name
			H.L. Sterling
			9. Well No.
			286
			10. Field and Pool, or Wildcat
			Kutz Pictured Cliffs, West

UNIT LETTER	LOCATED	FEET FROM THE	LINE AND	FEET FROM	12. County
P	1090	South	840		San Juan
THE	LINE OF SEC.	TWP.	RGE.	NMPM	
East	24	29N	R13W		
15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead	
9-14-79	9-19-79	10-18-79	Grd 5,297' KB 5,308'		
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
1,441'	1,395'			0-TD	
24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made				
1,160' - 1,168' 1,179' - 1,193'	No				
26. Type Electric and Other Logs Run	27. Was Well Cored				
Dual Induction-Laterolog; Comp. Neutron; Form Density; Temperature	No				

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	36#	130' KB	12-1/4"	100 sks 'B' w/2% CaCl ₂	-0-
4-1/2"	10.79#	1435' KB	6-3/4"	60 sks 65-35 Poz - Tailin w/135 sks 'B' *	-0-
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
	None				
				2-3/8"	1,194'
					None

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
1,160' - 1,168' w/4 JSPF	DEPTH INTERVAL
1,179' - 1,193' w/1 JSPF	AMOUNT AND KIND MATERIAL USED
	1,179'-1,193' Broke down w/500 gals
	15% HCl fraced w/24,000 gals 70% Quality Foam +
	40,000# 10-20 Sand @ 2PPG

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
						SI	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
10-17-79	24	3/4"		-0-	817	125	NA
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
175 psi	260 psi		-0-	817	125	NA	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
Vented During Test						T.C. Durham	
35. List of Attachments							
Sample Description							

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNED	Hean B. Barner			TITLE	Dist. Prod. Engr. - RMD	DATE	10-19-79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs <u>1,158'</u>	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
			SEE ATTACHED				<u>LOG TOPS</u>
			* 4-1/2" csg. cmt'd to surface				Kirtland Surface
							Fruitland 851'
							Pictured Cliffs 1,158'
							Lewis 1,409'
							TD Driller 1,430'
							Logger 1,441'

SAMPLE DESCRIPTION

130 - 50 10% Ss: lt gry, vfn-g, sbrnd, clean, porous, w/occ. carb. incl.
 90% Sh: drk gry, vy firm, sl silty

50 - 60 10% Ss: AA
 90% Sh: gry, soft, silty

60 - 70 50% Ss: AA, sl shaly, fair porosity
 50% Sh: AA

70 - 80 20% Ss: gry, sbrnd, vfn-fn-g, sbrnd, clean, porous, w/occ. carb. incl.
 80% Sh: gry, firm, sl silty

80 - 200 30% Ss: AA
 70% Sh: AA

200 - 10 100% Sh: drk gry, vy firm, vy silty
 Tr. Chert: clr, crs-g, sbrnd.

10 - 20 100% Sh: AA
 Tr. Chert: translucent brn, crs-g, sbang.

20 - 30 100% Sh: AA
 Tr. Coal: blk, vitreous

30 - 40 30% Ss: bl gry, vfn-g, sbrnd, vy clay fld, tite
 70% Sh: AA

40 - 50 50% Ss: AA
 40% Sh: AA
 10% Chert: clr, crs-g, ang.

50 - 60 60% Ss: gry, vfn-fn-g, sbrnd, shaly, tite, w/carb. incl.
 30% Sh: gry, soft, clayey, some waxy
 10% Chert: clr-translucent brn, crs-g, ang.

60 - 90 100% Sh: gry, brn, firm, vy silty, w/carb. incl.

90 - 300 70% Ss: bl gry, vfn-fn-g, sbrnd, clay fld (swelling), tite
 30% Sh: AA
 Tr. Chert: clr, crs-g, ang.

300 - 30 100% Sh: AA
 Tr. Chert: AA

30 - 50 90% Ss: gry, fn-g, sbrnd, vy clay fld (swelling), tite
 10% Sh: AA

50 - 60 80% Ss: AA
 20% Sh: AA, less silty

60 - 70 50% Ss: lt gry, fn-g, sbrnd, vy clay fld, no visible porosity, tite
 50% Sh: drk gry, firm, sl silty-sl clayey

370 - 90	50% Ss: wht-bl gry, fn-m-g, sbrnd, mod-hvy clay fill, fair - poor porosity 50% Sh: AA
90 - 400	30% Ss: AA 60% Sh: AA 10% Chert: clr, crs-g, ang-sbang.
400 - 10	20% Ss: clr wht, m-g, sbang, mod clay fill, fair - good porosity, sl arkosic 70% Sh: lt gry-gry, firm-soft, silty-clayey, w/carb. incl. 10% Coal: blk, vit., shaly
10 - 20	90% Ss: clr wht, crs-g, sbrnd, lse, some sl cons., good porosity 10% Sh: AA
20 - 30	20% Ss: AA 80% Sh: bl gry-gry, firm, silty-some sandy, w/carb. incl.
30 - 40	30% Ss: wht, fn-g, sbrnd, sl clay fld, good porosity, w/occ. carb. incl. 70% Sh: AA, sl less silty
40 - 50	No Sample
50 - 60	40% Ss: AA, mod to hvy clay fill (swelling), poor por. 60% Sh: AA, some drk gry and carb.
60 - 80	60% Ss: AA 40% Sh: AA Tr. Chert: transparent brn, crs-g, sbang.
480 - 510	20% Ss: clr gry, fn-g, sbang, sl clay fld, good por., w/carb. incl. 80% Sh: gry, firm, clayey-sl silty, w/carb. incl.
510 - 60	No Samples
60 - 70	40% Sh: gry, soft, fri, w/occ. carb. incl. 60% Clystn: wht, vy soft, swelling
70 - 80	10% Ss: wht, fn-m-g, sbang, hvy clay fill, tite 90% Sh: gry, firm, silty-sl clayey, w/occ. carb. incl.
580 - 620	No Samples
620 - 40	70% Sh: gry, soft, clayey, fri, some waxy 30% Clystn: wht, vy soft, swelling
40 - 50	No Sample
50 - 60	100% Sh: gry-drk gry, soft-firm, sl clayey-silty, fri. Tr. Chert: clr, crs-g, ang.

660 - 70 90% Sh: gry, soft, clayey, some waxy
10% Clystn: wht, vy soft, swelling, some sl sandy

70 - 80 90% Sh: drk gry, firm, sl carb, fiss.
10% Clystn: AA

80 - 700 10% Ss: wht, fn-m-g, sbang, hvy clay fill, no porosity
90% Sh: AA

700 - 10 100% Sh: gry, soft, clayey

10 - 20 90% Sh: AA, some less clayey
10% Chert: clr, crs-g, sbang.

20 - 30 80% Ss: clr gry, fn-g, sbrnd, clean, good porosity,
w/carb. incl.
10% Sh: AA
10% Clystn: wht, vy soft, swelling

30 - 40 50% Ss: AA
40% Sh: AA
10% Clystn: AA

40 - 50 30% Ss: gry, fn-m-g, sbang, mod clay fill, fair por.
w/carb. incl.
70% Sh: AA, vy silty

50 - 60 100% Sh: gry-drk gry, firm, silty, fri, w/occ. carb. incl.

60 - 80 100% Sh: AA
Tr. Ss: wht, m-g, sbrnd, sl-mod clay fill, fair por.,
w/occ. carb. incl.

80 - 800 20% Ss: clr wht, fn-g, sbrnd, sl clay fill, good por.,
w/occ. carb. incl.
80% Sh: AA
Tr. Chert: milky wht, crs-g, sbang.

800 - 10 10% Ss: AA
90% Sh: AA, some drk gry and carb.

10 - 20 20% Ss: AA, some hvy clay filled (swelling)
80% Sh: AA
Tr. Chert: milky wht, crs-g, sbang.

20 - 30 10% Ss: AA
90% Sh: AA

30 - 40 100% Sh: AA

40 - 50 40% Ss: clr - wht, fn-m-g, sbrnd, clean, porous,
lse, some sl cons.
60% Sh: AA

50 - 60 20% Ss: clr wht, m-g, sbrnd, clean, porous, w/occ.
carb. incl.
80% Sh: lt gry, soft, sl clayey-sl silty
Tr. Coal: blk, vit., shaly

860 - 70 10% Ss: clr wht, fn-m-g, clean, porous, lse-sl cons.
90% Sh: AA
Tr. Coal: AA

70 - 80 10% Ss: wht, fn-g, sbrnd, sl clay fld, good porosity,
sl arkosic, w/occ. carb. incl.
90% Sh: bl gry, soft, sl clayey-sl silty
Tr. Coal: AA

80 - 90 30% Ss: AA, mod clay fld, fair por.
70% Sh: AA

90 - 900 30% Ss: AA
60% Sh: AA
10% Chert: clr, crs-g, sbang.

900 - 10 90% Sh: AA
10% Chert: AA, clr-transparent brn.
Tr. Ss: AA

10 - 20 10% Ss: clr wht, fn-g, sbrnd, sl-mod clay fill, fair-
good por., sl arkosic
90% Sh: AA

20 - 50 20% Ss: AA
70% Sh: AA
10% Chert: brn-milky wht, crs-g, ang.

50 - 60 40% Ss: clr-wht, fn-m-g, sbrnd, clean, lse, some sl. cons.
sl arkosic
50% Sh: AA
10% Chert: AA

60 - 70 30% Ss: wht, fn-m-g, sbrnd, clay fld, poss. sl. porous,
sl arkosic, w/occ. carb. incl.
60% Sh: AA
10% Chert: AA

70 - 80 80% Sh: AA, some brn, firm, and carb.
20% Chert: AA

80 - 90 30% Ss: wht, fn-g, sbrnd, sl clay fld, good por.,
w/occ. carb. incl.
60% Sh: AA
10% Chert: AA

90 - 1000 20% Ss: AA, sl-mod clay fill, fair por.
70% Sh: AA
10% Chert: AA

1000 - 10 30% Ss: AA
70% Sh: gry, firm, silty, fri, w/carb. incl.

10 - 20 20% Ss: AA, hvy clay fill, no vis. porosity
80% Sh: bl gry-drk gry, soft-firm, some clayey-some
silty, w/occ. carb. incl.

1020 - 30	20% Ss: wht, fn-m-g, sbrnd, sl-mod clay fld, good por, sl arkosic 80% Sh: AA Tr. Coal: blk, wht.
30 - 40	No Sample
40 - 50	90% Sh: AA 10% Coal: AA
50 - 60	100% Sh: AA, some sl sandy
60 - 70	20% Ss: wht, fn-g, sbrnd, sl clay fld, good por., w/occ. carb. incl. 80% Sh: AA, some drk gry-blk, and carb.
70 - 80	20% Ss: AA 70% Sh: AA 10% Coal: blk, vit.
80 - 90	No Sample
90 - 1100	30% Ss: wht, fn-g, sbang, mod clay fld, fair por., lignitic 70% Sh: AA
1100 - 10	20% Ss: wht, fn-g, sbrnd, sl clay fld, fair por, sl arkosic, w/occ. carb. incl. 30% Sh: gry, soft, fri, sl clayey 50% Coal: blk, vit.
10 - 20	10% Ss: AA, mod. clay fill 30% Sh: AA 60% Coal: AA
20 - 30	20% Ss: clr gry, vfn-fn-g, sbrnd, clean, porous, calc, sl arkosic, w/occ. carb. incl. 10% Sh: AA, some waxy 70% Coal: blk, vit.
30 - 40	10% Ss: AA, vfn-g 20% Sh: AA 70% Coal: AA
40 - 50	20% Ss: wht, fn-g, sbrnd, sl clay fld, good por, sl calc. 10% Sh: AA 70% Coal: AA
50 - 60	20% Ss: wht, m-g, sbrnd, sl clay fld, good por, sl calc, w/occ. carb. incl. 50% Sh: AA 30% Coal: AA
60 - 70	30% Ss: AA 50% Sh: AA 20% Coal: AA
70 - 90	30% Ss: AA 30% Sh: AA 40% Coal: AA

90 - 1200 30% Ss: wht, m-g, sbrnd, sl - mod clay fld, fair por,
sl calc, sl arkosic, sl glauc, w/carb. incl.
30% Sh: AA
40% Coal: AA
Tr. Chert: clr-transparent brn, crs-g, sbrnd.

1200 - 10 60% Ss: wht-tan, fn-g, sbrnd, sl clay fld, good por,
sl calc, sl arkosic, sl glauc, w/carb. incl.
20% Sh: AA
20% Coal: AA

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

30 - 50 50% Ss: wht, fn-g, sbrnd, mod clay fld, fair-poor por,
sl calc, sl glauc., sl arkosic, w/occ. carb. incl.
40% Sh: bl gry-gry, soft, fri.
10% Coal: AA

50 - 60 60% Ss: AA
20% Sh: AA
20% Coal: AA

60 - 70 30% Ss: gry-wht, fn-g, sbrnd, sl clay fld, good por,
calc.
60% Sh: AA
10% Chert: clr, crs-g, sbang-sbrnd.

70 - 1300 20% Ss: AA
70% Sh: AA, some drk gry and sl carb.
10% Chert: AA

1300 - 10 10% Ss: wht, vfn-g, sbrnd, mod clay fld, fair-good por,
w/occ. carb. incl.
90% Sh: AA, sl silty

10 - 20 20% Ss: AA, sl-mod clay fill, fair-good por.
80% Sh: AA

20 - 30 40% Ss: AA, vfn-fn-g, w/carb., incl., some m-g.
60% Sh: AA

30 - 40 10% Ss: AA
90% Sh: AA, sl less silty

40 - 50 30% Ss: AA
70% Sh: AA

50 - 60 20% Ss: wht, fn-m-g, sbrnd, sl clay fld, good por,
sl arkosic, sl glauc, w/carb. incl.
80% Sh: AA, sl lignitic

60 - 70 10% Ss: AA
90% Sh: AA
Tr. Chert: clr, crs-g, ang.

70 - 90 40% Ss: gry, vfn-g, sbrnd, sl clay fld, good por,
w/occ. carb. incl.
60% Sh: AA

1390 - 1400 20% Ss: AA
60% Sh: AA
20% Chert: clr, crs-g, sbrnd.

1400 - 20 No Samples

20 - 30 10% Ss: wht-tan, fn-g, sbrnd, mod clay fld, fair por,
w/occ. carb. incl., sl glauc.
90% Sh: AA, some drk gry and carb.

TD 1430'