

DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

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

Revised 1-1-65

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.
B-9104

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER

7. Unit Agreement Name
Gallegos Canyon Unit

8. Farm or Lease Name

2. Name of Operator
Energy Reserves Group, Inc.

9. Well No.
326

3. Address of Operator
P.O. Box 3280 - Casper, Wyoming 82602

10. Field and Pool, or Wildcat
West Kutz Pictured Cliffs

4. Location of Well
UNIT LETTER **F** LOCATED **1610** FEET FROM THE **FNL** LINE AND **1630** FEET FROM



THE **FWL** LINE OR SEC. **36** TWP. **29N** RGE. **13W** NMPM

12. County
San Juan

15. Date Spudded **4-10-81** 16. Date T.D. Reached **4-13-81** 17. Date Compl. (Ready to Prod.) **7-21-81** 18. Elevations (DF, RKB, RT, GR, etc.) **K.B. 5,565' (GL + 5')** 19. Elev. Casinghead

20. Total Depth **1,535' K.B.** 21. Plug Back T.D. **1,474' K.B.** 22. If Multiple Compl., How Many **NA** 23. Intervals Drilled By Rotary Tools **0-TD** Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
Pictured Cliffs 1,392'-98'

25. Was Directional Survey Made
NO

26. Type Electric and Other Logs Run
Induction; Neutron-Density

27. Was Well Cored
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7" OD	17#	125'	9-7/8"	65 sx 'B' w/2% CaCl ₂ & 1/4# Celloflake	-0-
4-1/2" OD	10.5#	1,515'	6-1/4"	250 sx 50-50 Pozmix w/2% Gel & 1/4# Flocele	-0-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
		None			2-3/8"	1,392'	-----

30. TUBING RECORD

31. Perforation Record (Interval, size and number)
1,392'-1,398' w/1 JSPF (7 perfs)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1,392'-1,398'	BD w/500 gal 7 1/2% MCA w/additives
	Frac'd w/20,000 gal 70% Quality Foam w/22,500# 10-20 sand.

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
7-21-81	24	3/8"		NA	337	64	NA
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
100 psi	210 psi		NA	337	64	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 information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED *T.C. Durham* TITLE **Production Engineer - RMD** DATE **8-4-81**

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 _____ <u>90'</u>	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland <u>168' & 1,037'</u>	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs <u>1,395'</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. <u>Nacimieto Surface</u>
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. <u>T.D. Driller 1,535'</u>
T. Tubb _____	T. Granite _____	T. Todilto _____	T. <u>T.D. Logger 1,516'</u>
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. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 4, from.....to.....

No. 2, from.....to..... No. 5, from.....to.....

No. 3, from.....to..... No. 6, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

No. 4, from.....to.....feet.....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
<div style="border: 1px solid black; padding: 5px; display: inline-block; width: 80%;">Sample Description Attached</div>							

Sample Description

130-40 20% Ss: clr, yel, m-crs-vy crs-g, sbang, all loose
gd por, N-S
30% Sh: lt.-med. gry, plty, vy sl. carb, sme slty-
sndy, few swllng, soft-firm
50% Clystn: lt.-med brn, lt. gry, carb, vy soft, swllng

140-50 20% Ss: AA
40% Sh: AA, sme fissile
40% Clystn: AA

150-60 90% Ss: wht-clr-yel-org, m-crs-vy crs-g, sbrnd-sbang,
all loose, poorly srtd, gd por, N-S
10% Sh: med gry, blk, few cly incls, sl swllng, firm

160-70 90% Ss: AA
10% Clystn: wht, blk, vy soft

170-80 10% Ss: AA
60% Sh: lt.-med gry, blk, sl carb, few cly incls
firm-soft
30% Clystn: AA w/few pyrite incls

180-90 10% Ss: AA
50% Sh: AA
40% Clystn: AA

190-200 10% Ss: AA
80% Sh: lt.- med gry, plty-blk, carb, most sndy,
many cly incls, soft-firm
10% Clystn: AA

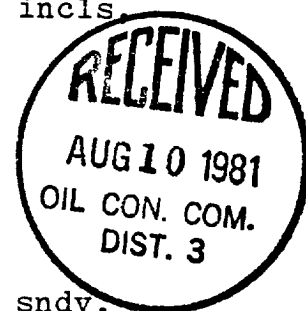
200-10 10% Ss: AA
70% Sh: AA, sme grn-gry, chrty
20% Clystn: AA

210-20 80% Sh: lt.-med-dk gry, plty-blk, carb, cly incls,
sme vy sndy, sme slty, soft
20% Clyst: AA w/sme scrttrd qtz grns

220-30 10% Ss: wht-lt. gry, f-m-g, sbrnd, well srtd, vy sl
carb, hvly clyfill, shly, soft, tite, N-S
80% Sh: AA
10% Clystn: AA

230-40 AA

240-50 80% Sh: AA
20% Clystn: AA
Trace Ss: clr-wht, m-g, well srtd, sbrnd, mod clyfill,
soft, tite, N-S



250-60 10% Ss: AA, sme w/cly incls
90% Sh: AA, sme w/ pyrite ctngs

260-70 10% Ss: wht, vf-f-m-g, sbang, vy sl to sl to mod
clyfll, sl. carb, few cly incls, film-friable,
sme fair por, N-S
90% Sh: AA

270-80 20% Ss: wht-lt. gry, m-g, sbrnd-sbang, mod-hvy
clyfll, mos shly, soft, tite, N-S
80% Sh: AA

280-90 70% Sh: lt-med gry, grn-gry, slty-sndy, blk, many
cly incls, sl carb, firm
30% Clystn: AA

290-300 AA

300-10 90% Ss: wht, vf-f-m-crs-g, sbrnd-sbang, most lse,
sme w/sl. clyfll, vy few cly incls, firm, gd
por, N-S
10% Sh: AA
Trace Pyrite

310-20 50% Ss: AA but w/increasing clyfll
50% Sh: AA

320-30 No Sample

330-40 100% Sh: lt-med-dk gry, plty-blky, many slty, few
sndy, many cly incls, sl carb, firm

340-50 90% Sh: AA
10% Clystn: wht, blk, vy soft, vy swllng

350-60 100% Sh: AA, sme vy sndy

360-70 10% Ss: wht, f-m-g, sbang, well srtd, sl. clyfll,
carb, firm-hard, sl. por, N-S
90% Sh: AA

370-80 90% Sh: med gry, blk, many cly incls, carb, slty, firm
10% Clystn: AA
Trace Ss: AA

380-90 90% Sh: AA
10% Clystn: AA

390-400 10% Ss: wht, f-m-g, sbrnd, mod-hvy clyfll, soft, tite, N-S
60% Sh: AA
30% Clystn: wht, blk-plty, sme w/scrttrd qtz grns,
vy sl carb, vy soft, vy swllng

400-10 80% Sh: med-dk gry, dk brn, blk, few cly incls,
 vy sl carb, firm
 20% Clystn: AA

410-20 AA

420-30 20% Ss: wht-lt gry, vf-f-m-g, sbang, sl carb, calc in
 prt, few cly incls, mod-hvy clyfll, shly, soft,
 tite, N-S
 80% Sh: med gry, grn-gry, blk, vy slty, few sndy,
 carb, firm

430-40 10% Ss: AA
 80% Sh: AA
 10% Clystn: wht, plty, cy soft, vyswllng

440-50 20% Ss: wht, f-m-g, sbang, fair srtng, sl-med clyfll,
 carb, ark, vy sl gluc, sme calc, soft, vy sl por,
N-S
 80% Sh: AA

450-60 100% Sh: AA
 Trace Ss: AA

460-70 100% Sh: lt.-med-dk gry, blk, few slty, many cly
 incls, carb vy few sndy firm-hard

470-80 100% Sh: AA, sme cherty

480-90 90% Sh: AA, vy few w/pyrite incls
 10% Clystn: wht, plty, vy soft, scettrd qtz grns, vy
 swllng
 Trace Ss: wht, m-g, sbang, mod clyfll, friable, carb,
 sl por, N-S

490-500 100% Sh: AA

500-510 80% Sh: AA
 20% Clystn: AA, sme gry-lt. brn

510-20 No Sample

520-30 10% Ss: wht, m-g, sbang, well srted, mod-hvy clyfll,
 carb, hard, tite, N-S
 70% Sh: grn-gry, med-dk gry, med-dk brn, vy slty,
 many sndy, sme cherty, carb, hard-firm
 20% Clystn: AA

530-40 AA

540-50 90% Sh: AA
 10% Clystn: wht-lt. gry, blk, vy sl carb, vy soft, sme
 swllng

550-60 90% Sh: lt.-med gry, wht, plty-blky, sl. carb, few
 cly incls, slty-sndy, soft-firm
 10% Clystn: AA

560-70 70% Sh: AA
 30% Clystn: wht-lt. gry, blky, sl carb, sme w/scttrd
 qtz grns, vy soft, vy swllng

570-80 60% Sh: AA
 40% Clystn: AA
 Trace Pyrite

580-90 80% Sh: lt.-med. gry, blky, carb, many cly incls,
 few slty, few sndy, soft-firm
 20% Clystn: AA

590-600 AA
 Trace Ss: wht, vf-g, sbrnd, well srtd, sl carb, mod
 clyfll, sl ark, hard, tite, N-S

600-10 100% Sh: lt.-med-dk gry, plty, sme vy carb, others
 sl carb, few cly incls, few slty, firm
 Trace Pyrite

610-20 60% Sh: AA but incr slty, incr soft, sme blk, sme
 w/pyrite ctngs
 40% Clystn: buff, blky, vy soft, vy swllng, carb,
 Trace Ss: wht, m-g, sbrnd, well srtd, hvy clyfll,
 shly, soft, tite, N-S

620-30 No Sample

630-40 50% Sh: AA
 50% Clystn: AA

640-50 30% Sh: med-dk gry, blky-plty, sme fissile, sme lam,
 few pyrite incls, many cly incls, slty-sndy, soft
 70% Clystn: AA
 Trace Pyrite

650-60 60% Sh: AA
 40% Clystn: wht-buff-lt. gry, blky, carb, sme w/scttrd
 qtz grns, vy soft, vy swllng

660-70 10% Ss: wht, vf-f-g, sbrnd-sbang, sl-med clyfll, sl.
 carb, soft, tite, N-S
 50% Sh: AA
 40% Clystn: AA

670-80 60% Ss: yel-clr-wht, m-crs-vy vrs-g, sbrnd-sbang
 all loose, gd por, N-S
 10% Sh: AA
 30% Clystn: buff-wht-yel, blky-plty, sl carb, few
 scttrd qtz grns, vy soft, vy swllng

680-90 80% Sh: grn-gry, med gry, blk-y-plty, carb, slty-sndy,
 few chrty, few sl swllng, soft-firm, many cly incls
 20% Clystn: AA
 Trace Ss: wht, m-g, sbang, hvy clyfll, shly, soft,
 tite N-S

690-700 60% Sh: AA
 40% Clystn: AA

700-10 100% Sh: med-dk gry, plty, few cly incls, sl carb,
 few slty, firm

710-20 100% Sh: AA
 Trace Pyrite

720-30 50% Ss: wht, m-g, sbrnd, well srted, mod-hvy clyfll,
 carb, sl ark, sme calc, vy sl glauc, sme shly,
 soft-firm, tite N-S
 50% Sh: lt. gry-med gry, plty, carb, sme vy sndy, firm

730-40 60% Ss: AA
 40% Sh: AA
 Trace Pyrite

740-50 70% Ss: wht, f-m-g, sbrnd, sbang, well srted, vy sl-sl
 mod-hvy clyfll, sme shly, carb, sme calc, sme
 sl glauc, soft-friable-firm, sme sl por, N-S
 30% Sh: AA

750-60 60% Ss: AA, but incr clyfll
 40% Sh: med gry-dk brn, plty, carb, slty-sndy, few
 pyrite incls, few cly incls, firm
 Trace Pyrite

760-70 50% Ss: wht, f-m-g, sbrnd, most w/hvy clyfll, cy few
 w/ sl mod clyfll, shly, carb, calc, most soft,
 tite, N-S
 50% Sh: AA
 Trace Clystn: AA

770-80 AA

780-90 90% Sh: med-dk gry, med-dk brn, plty, sme fissile,
 vy carb, few slty, sme wxy, vy few cly incls,
 firm-soft
 10% Clystn: buff, blk-y, vy soft, sl. swllng
 Trace Coal: blk, vit, blk-y, many pyrite ctngs

790-800 80% Sh: AA
 20% Clystn: AA
 Trace Coal: AA

980-90 10% Ss: AA
50% Sh: lt-med gry, lt brn, blk, slty-sndy, sme wxy,
 plty, firm-soft
40% Clystn: wht, blk, sme scetrd qtz grns, vy soft,
 vy swllng

990-1000 20% Ss: wht-lt gry, vf-f-g, sbrnd, mod clyfll, soft,
 tite, N-S
70% Sh: AA
10% Clystn: AA

1000-10 20% Ss: wht, f-m-g, sbang-sbrnd, sl-mod clyfll,
 carb, calc, most soft, sme firm, sme sl
 por, N-S
70% Sh: AA
10% Clystn: AA

1010-20 40% Ss: wht, vf-f-m-g, mod-hvy clyfll, calc, carb,
 many shly, soft, tite, N-S
30% Sh: med gry, dk brn, plty, sme fissile, firm,
 vy carb
30% Clystn: AA

1020-30 50% Ss: AA w/ incr. carb, incr. clyfll
30% Sh: AA
20% Clystn: AA

1030-40 40% Ss: wht, f-m-g, sbang,vy sl-sl-mod clyfll,
 vysl glauc carb, ark, calc, friable-firm, sme
 fair por, N-S
60% Sh: lt-med gry, lt-med brn, plty, vy carb,
 few slty, few wxy, sme lam, sme pyrite ctngs
Trace Coal: blk, snd prtngs, blk, vit, hard

1040-50 20% Ss: AA
70% Sh: AA
10% Clystn: AA

1050-60 20% Ss: wht, m-g, sbrnd, well srtd, mod clyfll,
 vy carb, calc, ark, friable-soft, sme

sl por, N-S
80% Sh: AA

1060-70 10% Ss: AA, but w/ med-hvy clyfll, hard, tite, N-S
70% Sh: med-dk gry, med brn, plty-blky, vy carb,
firm, sme slty
20% Clystn: buff, blky-plty, sl carb, vy soft,
sme swllng

1070-80 AA

1080-90 30% Ss: wht, vf-f-m-g, sbrnd, poorly srtd, med
to hvy clyfll, carb, calc, ark, vy sl glauc,
soft, tite, N-S
70% Sh: AA

1090-1100 10% Ss: AA
90% Sh: AA

1100-10 10% Ss: wht, vf-f-g, sbrnd, well srtd, hvy clyfll,
carb, calc, soft, tite, N-S
90% Sh: AA, sme w/ pyrite incl

1110=20 30% Ss: AA, sme w/ med clyfll, vy carb, soft, tite, N-S
70% Sh: lt-med-dk gry, brn, plty, sme vy slty, few
sndy , vy carb, clyinds, sme sl swllng,
sme wxy, firm
Trace Coal: blk, vit, blky, hard

1020-30 30% Ss: AA
60% Sh: AA
10% Coal: AA, sme w/ pyrite ctngs

1130-40 100% Sh: Med brn, lt-med gry, blky-plty, most
slty, vy carb, firm

1140-50 AA

1150-60 10% Ss: wht, f-g, sbang, well srted, sl clyfll, carb,
calc, hard, vy sl por, N-S
80% Sh: lt-med gry, med brn, plty, carb, few
cly incls, few slty, firm-soft
10% Pyrite

1160-70 AA
Trace Coal: blk, vit, many clyincl, hard

1170-80 20% Ss: wht, f-m-g, sbrnd, well srted, vy sl-sl-med-
hvy clyfll, carb, calc, ark, hard-firm-soft,
sme vy sl por, N-S
80% Sh: AA, sme pyrite ctngs
Trace Coal: AA

1180-90 20% Ss: AA
70% Sh: AA
10% Pyrite

1190-1200 20% Ss: AA, but vy sl-sl-med clyfll
80% Sh: AA w/ many pyrite ctngs
Trace Coal: blk, vit, pyrite ctngs, hard

1200-10 40% Ss: wht, m-g, sbrind, well srted, mod-hvy
clyfll, vy carb, sl ark, calc, soft-firm
vy sl por, N-S
60% Sh: med-dk brn, med-dk gry, plty, vy carb,
sme pyrite incl, few cly incl, soft

1210-20 50% Ss: AA
50% Sh: AA

1220-30 60% Ss: AA
40% Sh: lt-med gry, few brn, sl to vy carb, plty,
most wxy, few slty, firm
Trace Pyrite

1230-40 AA

1240-50 60% Ss: wht-lt gry, f-m-g, sbrnd, sl-mod-hvy clyfll,
AA
30% Sh: AA
10% Clystn: buff, vlky, sme w/ scttrd qtz grns, vy soft,
selling
Trace Pyrite

1250-60 30% Ss: AA, sme glauc
60% Sh: AA increasingly carb
10% Pyrite

1260-70 AA

1270-80 30% Ss: wht, vf-f-m-g, sbrnd, fair srtng, sl-med-hvy
clyfll, sl carb, sl glauc, calc, ark, friable-firm,
sme sl por, N-S
60% Sh: AA
10% Pyrite

1280-90 20% Ss: AA
60% Sh: Med- dk brn, med-dk gry, blk-pty, carb,
few pyrite ctngs & incl, sme sl slty, firm
20% Pyrite

1290-1300 20% Ss: AA
80% Sh: AA, sme buff, hard

1300-10 10% Ss: wht, f-m-g, sbrnd, well srted, sl-mod clyfll,
carb, calc, ark, soft-hard-firm, tite, N-S
80% Sh: AA
10% Coal: AA
Trace Clysten: wht, plyt, wxy, vy soft

1310-20 AA

1320-30 No Sample

1400-10 40% Ss: lt gry-wht, vf-f-g, sbrnd, well srted, sl-mod-hvy
 clyfll, vy carb & ark & calc, Hard-firm-soft,
 most tite, N-S
 40% Sh: AA
 20% Coal: AA
 Trace Pyrite

1410-20 40% Ss: AA, sme shly
 40% Sh: AA
 20% Coal: blk, vit, blk, hard

1420-30 40% Ss: AA
 50% Sh: lt-med-dk gry, plty, vy carb, sme cly incl, s,
 few pyrite ctngs, many slty, sme chrty, firm,
 hard
 10% Coal: AA

1430-40 40% Ss: AA wht, vf-f-m-g, sbrnd-sbang, sme cln, rest
 sl-mod-hvy clyfll, carb, calc, ark, soft-hard,
 sl por, N-S
 50% Sh: AA
 10% Coal: AA

1440-50 40% Ss: AA
 40% Sh: AA
 20% Coal; AA

1450-60 20% Ss: wht-lt gry, vf-f-g, sbrnd, mod-hvy clyfll,
 carb, aclc, ark, soft-firm, sme vy sl por,
N-S
 60% Sh: lt-med gry, dk brn, blk, sme vy carb,
 sl slty, sme wxy, firm
 20% Coal: AA

1460-70 30% Ss: AA but most w/ hvy clyfll, sme shly
 50% Sh: AA
 10% Clystn: wht-buff, blk, sme w/ scrted qtz grns,
 vy soft, vy swllng
 10% Coal: AA

1470-80 AA

1480-90 No Sample

1490-1500 30% Ss: wht, buff, f-m-g, sbrnd, well srtd,
mod clyfll, carb, ark, calc, hard-firm,
sme vy sl por, N-S
60% Sh: AA
10% Coal: blk, earthy, blk, hard

1500-10 20% Ss: AA
70% Sh: AA
10% Coal: AA

1510-20 AA

Drillers TD - 1535'