

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

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

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.
NM-09867A

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
Farnsworth Gas Unit "A"

8. Farm or Lease Name

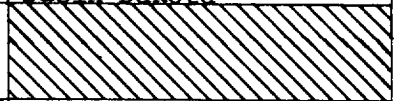
2. Name of Operator
Energy Reserves Group, Inc.

9. Well No.
1-E

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

10. Field and Pool, or Wildcat
Basin Dakota

4. Location of Well
UNIT LETTER E LOCATED 1520 FEET FROM THE North LINE AND 800 FEET FROM
THE West LINE OF SEC. 17 TWP. 30 RGE. 13 NMPM



12. County
San Juan

15. Date Spudded 9-09-80 16. Date T.D. Reached 9-21-80 17. Date Compl. (Ready to Prod.) 10-09-80 18. Elevations (DF, RKB, RT, GR, etc.) GL 5,564'; KB 5,578'; 19. Elev. Casinghead

20. Total Depth 6,220' 21. Plug Back T.D. 6,178' 22. If Multiple Compl., How Many NA 23. Intervals Drilled By Rotary Tools Cable Tools 0-6,220'

24. Producing Interval(s), of this completion - Top, Bottom, Name
Dakota 6,138' - 6,158'

25. Was Directional Survey Made
NO

26. Type Electric and Other Logs Run
Dual Induction Focused Log, Compensated Neutron-Form Density Log

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
8-5/8"	24#	367' KB		325 sx "B" + 2% CaCl ₂ & 1/4# Flocele/sx	-0-
4-1/2"	10.5#	6,219' KB		See Back of Page	-0-

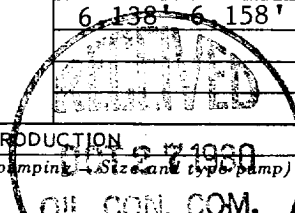
29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6,164'	None

31. Perforation Record (Interval, size and number)
6,138' - 6,158' w/1 JSPF (21 perfs)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6,138' - 6,158'	B.D. w/1000 gal 7 1/2% HCl w/ additives + 30 ball sealers.
	See Back of Page



33. PRODUCTION
Date First Production NA Production Method (Flowing, gas lift, pumping, size and type pump) Well Status (Prod. or Shut-in) SI

Date of Test 10-9-80	Hours Tested 24	Choke Size 16/64"	Prod'n. For Test Period 10	Oil - Bbl. 10	Gas - MCF 1421	Water - Bbl. 10(Frac Fluid)	Gas-Oil Ratio 142,210 SCF/ST
Flow Tubing Press. 310 psi	Casing Pressure 480	Calculated 24-Hour Rate	Oil - Bbl. 10	Gas - MCF 1421	Water - Bbl. 10(Frac Fluid)	Oil Gravity - API (Corr.) ± 56	

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 Engr-RMD DATE 10-24-80

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 1165.

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>1,428'</u>	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House <u>2,987'</u>	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout <u>4,020'</u>	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos <u>4,220'</u>	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup <u>5,159'</u>	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn <u>5,912'</u>	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota <u>6,020'</u>	T. Lewis - <u>1,582'</u>
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. Graneros - <u>5,968'</u>
T. Tubb _____	T. Granite _____	T. Todilto _____	T. T.D. Driller - <u>6,220'</u>
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. T.D. Logger - <u>6,220'</u>
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 <u>6,138'</u> to <u>6,158'</u>	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
			<u>SAMPLE DESCRIPTION ATTACHED</u>				
			<u>Cementing Record - 4-1/2"</u>				
			<u>1st stage - 360 sx 'B' w/</u> 10% salt				
			<u>2nd stage - Stage Collar @ 4,270'</u> 275 sx Lite w/1/4# Flocele/sx followed by 360 sx 50-50 Poz w/2% gel & 1/4# Flocele/sx.				
			<u>3rd stage - Stage Collar @ 1,652'</u> 570 sx Lite w/1/4# Flocele/sx. Temp survey cement top @ 500'.				
			Frac: 70,000 gal 70% quality foam w/55,000# 20-40 sand.				

Sample Description:

- 1340-50: 70% ss: clr wht, fg, sbang, mod clay fld, feld, S&P, calc, frm, sl por, N-S
30% sh: gry-brn, sst, blk-ppty, some clayey - some silty
- 1350-60 20% ss: AA, clay fld, tite, N-S
80% sh: lt gry-gry-brn, sst-frm, blk-ppty, occ carb incl
- 60-70 50% ss: gry-wht, fg, sbang, clay fld-shly, calc, S&P, feld, frm, tite, N-S
50% sh: gry-brn, sst, blk, sandy, calc, calc, carb incl.
- 70-80 60% ss: wht, f-my, sbrnd, mod clay fld, feld, S&P, calc, frm, sl por, N-S
40% sh: gry, sst, blk, clayey
- 80-90 50% ss: wht, fg, sbrnd, clay fld, S&P, feld, calc, frm, pass sl por, frm, N-S
50% sh: gry-brn, frm, blk, occ carb incl
- 90-1400 30% ss: wht, f-my, sbrnd, mod clay fld, S&P, feld, calc, frm, pass sl por, frm, N-S
60% sh: AA
10% coal: blk, v.t
- 1400-10 30% ss: AA
70% sh: gry-brn, frm, blk, sl waxy, occ carb incl
- 10-20 20% ss: wht, fg, sbang, clay fld, calc, S&P, feld, frm, tite, N-S
80% sh: gry-brn, frm, blk-ppty, sl silty, occ carb incl.
- 20-30 70% ss: wht-clr gry, fg, sbrnd, mod clay fld, S&P, calc, frm, fair por, N-S
30% sh: AA
- 30-40 60% ss: AA, N-S
40% sh: AA
- 40-50 80% ss: AA
20% sh: dk gry, frm, blk, waxy
- 50-60 80% ss: AA, some sl glauc
20% sh: dk gry, frm, blk, waxy
- 60-70 50% ss: wht, fg, sbrnd, clay fld, sl glauc, S&P, calc, feld, frm, tite, N-S
50% sh: gry, frm, blk, waxy
- 70-80 AA
- 80-90 30% ss: wht, f-my, sbrnd, mod clay fld, calc, S&P, frm, pass sl por, N-S
70% sh: gry, frm, blk, occ carb incl.
- 90-1500 50% ss: gry, fg, sbang, silty-clay fld, sl glauc, calc, S&P, feld, frm, tite, N-S
- 1500-10 70% ss: AA
30% sh: AA
- 10-20 50% ss: gry-brn, fg, sbrnd, sl shly-clay fld, S&P, calc, sl glauc, frm, tite, N-S
50% sh: gry, frm, blk, waxy, occ carb incl
- 20-30 30% ss: gry-wht, fg, sbrnd, clay fld, S&P, calc, frm, tite, N-S
70% sh: AA
- 30-40 10% ss: wht-gry, fg, sbrnd, clay fld, S&P, calc, frm, tite, N-S
90% sh: AA
- 40-50 100% sh: dk gry, frm, blk, sl clayey
- 50-60 10% ss: wht, v-ty, sbang, shly frm, tite, N-S
90% sh: gry, frm, blk, sl clayey, occ carb incl
- 60-70 100% sh: AA
Tr coal: blk, v.t
- 70-80 100% sh: gry-brn, frm-sst, blk, silty, carb incl, sl calc
- 80-90 AA
- 90-1400 AA

200 - 10 100% Sh: brn, frm, blkcy, slty, carb incl, sl calc, some less slty
20 - 30 AA
30 - 50 100% Sh: gry-brn, frm, blkcy, slty, carb incl, sl calc, some w/40 slt

5100 - 10 100% Sh: gry-lt gry, sft, blkcy, sl calc, carb incl.
10 - 20 100% Sh: AA, some sl slty
20 - 30 100% Sh: gry, sft, blkcy, sl clayey, sl calc, occ carb incl
30 - 40 100% Sh: lt gry-brn, frm-sft, blkcy, some sl clayey, sl calc.
40 - 50 100% Sh: AA
Tr coal: blk, vit
50 - 70 AA
70 - 80 100% Sh: gry-brn, frm, blkcy, sl calc, carb incl.
80 - 90 100% Sh: AA, some bl gry & clayey
90 - 5200 100% Sh: gry-bl gry, frm-sft, blkcy, sl calc, some clayey
5200 - 10 AA
10 - 20 90% Sh: AA
10% coal: blk, vit.
20 - 30 100% Sh: lt gry-brn, sft, blkcy, sl clayey, sl calc, occ carb incl
Tr coal: blk, vit.
30 - 40 100% Sh: AA, some bl gry, sft & clayey
40 - 50 100% Sh: lt gry-bl gry, sft, blkcy, sl clayey, occ carb incl
Tr coal: blk, vit.

50 - 60 AA
60 - 70 100% Sh: AA
70 - 80 100% Sh: lt gry-brn, sft-frm, blkcy, sl calc, occ carb incl, some clayey.
Tr coal: blk, vit
80 - 5350 NS
5350 - 60 100% Sh: gry, sft-frm, blkcy, sl calc, occ carb incl, some sl slty.
60 - 70 100% Sh: lt gry-gry, sft-frm, blkcy, sl calc, some sl clayey, occ carb incl.
70 - 80 AA
80 - 90 100% Sh: lt gry-gry-brn, frm-sft, blkcy-pltly, sl calc, occ carb incl, some
sl clayey
Tr coal: blk, vit.
40 - 5410 AA
5410 - 20 NS
20 - 30 100% Sh: lt gry-brn, sft, blkcy, sl calc, sl clayey, some slty
30 - 40 100% Sh: lt gry-gry, sft, blkcy, sl calc, some sl clayey
40 - 50 100% Sh: lt gry, sft, blkcy, sl clayey
50 - 60 100% Sh: lt gry-gry-brn, frm-sft, blkcy, sl calc, sl clayey, occ carb incl,
Tr coal: blk, vit.
60 - 70 AA
70 - 80 90% Sh: AA
10% coal: blk, vit.

- 80-90 100% Sh: gry-blgry, frm blky-pty, clayey, sl carb, some sl silty
Tr ss gry, v. ty, sbang, shly, calc, frm, tite, N-S
- 90-5500 NS
- 5500-70 100% Sh: lt gry-gry-brn, sft, frm, blky-pty, sl calc, occ carb incl.
- 10-20 100% Sh AA
- 30-50 70% Sh AA
10% coal: blk, v. t
- 30-40 100% Sh: bl gry-gry, frm, blk, some clayey, sl calc.
Tr ss: gry, v. ty, sbang, shly, calc, hard, tite, N-S
- 40-50 100% Sh: AA
- 50-60 100% Sh: AA
Tr coal: blk, v. t
- 60-5600 NS
- 5600-70 100% Sh: bl gry-gry, frm, blky, sl calc, some clayey, occ carb incl.
- 10-20 100% Sh: lt gry-gry-blgry, sft-frm, blky-silty, sl calc, some silty.
- 20-30 100% Sh: AA, some silty, w/ carb incl
- 30-40 100% Sh: bl gry-brn, frm, blky, sl calc, occ carb incl.
- 40-60 AA.
- 60-70 100% Sh: lt gry-gry, sft-frm, blky-pty, sl calc, some silty, occ carb incl.
- 70-5800 NS
- 5800-70 100% Sh: dk gry, frm, blky-pty, calc, some silty
- 10-20 100% Sh: gry-dk gry, frm, blky-pty, calc, occ carb incl.
- 20-30 100% Sh: AA, scat pyrite masses
- 30-40 100% Sh: dk gry-brn, frm, blky, sl calc, carb incl.
- 40-50 10% ss: wht, v. ty, sbang, clay fld, frm, tite, N-S
90% Sh: AA
- 50-60 100% Sh: lt gry-gry, frm, blky-pty, calc, silty, carb incl.
- 60-70 100% Sh: gry-dk gry, frm, pty, calc, carb, some silty.
- 70-80 AA
- 80-90 100% Sh: grn, frm, blky, sl calc, carb
- 90-100 AA
- 5100-110 AA
- 10-20 100% Sh: AA
Tr ss: gry, ty, sbang, shly, carb incl, fri, poss sl por, font yel fluor blue ext.
- 20-30 100% Sh: AA.
- 30-40 100% Sh: dk gry-brn, frm, blky, sl calc, some carb.
- 40-50 AA
- 50-6000 NS
- 6000-70 30% ss: wht-gry, v. ty, sbang, clay fld shly, occ glauc incl, hard, tite, N-S
70% Sh: gry-brn, frm, blky, calc, carb, some silty.
- 10-20 100% Sh: dk gry, frm, blky, v. calc, carb
- 20-30 40% ss: gry, v. ty, sbang, shly, calc, occ glauc incl, frm, tite, N-S
60% Sh: AA, silty
- 30-40 20% ss: wht, ty, sbang, mod clay fld, calc, occ glauc incl, hard, poss sl por, N-S
80% Sh: AA
- 40-50 AA
- 50-70 NS

- 50-60 100% sh. lt grey-gry. frm, blky-pthy, calc, slty, carb incl.
- 60-70 100% sh. gry-dk gry. frm. pthy, calc, carb, some slty.
- 70-80 AA
- 80-90 100% sh. grn frm blky sl calc carb
- 1000-1000 AA
- 10-20 100% sh. AA
Tr ss: gry. dy, sbang. shly, carb incl, fri, poss sl por, faint gel fluor w/no cut.
- 20-30 100% sh. AA.
- 30-40 100% sh. dk gry. brn, frm. blky, sl calc, some carb
- 40-50 AA
- 50-6000 NS
- 6000-10 30% ss: wht-gry, v. dy. sbang, clay fld shly, occ glauc incl, hard, tite, NS
70% sh. gry-brn, frm, blky, calc, carb, some slty.
- 10-20 100% sh: dk gry, frm. blky, v. calc, carb
- 20-30 40% ss. gry. v. dy, sband, shly, calc, occ glauc incl, frm, tite. NS
60% sh. AA. slty.
- 30-40 20% ss: wht. dy, sband, mod clay fld, calc, occ glauc incl, hard, poss sl por, NS
80% sh: AA
- 40-50 AA
- 50-70 NS
- 70-80 100% sh. gry. frm. slty. sl calc,
- 80-90 AA
- 90-6100 NS
- 6100-10 100% sh: gry. frm. pthy, sl calc, some slty.
- 10-20 NS
- 20-30 30% ss: wht, dy, sband, clean. calc, hard, sl por, v. faint gel fluor, NS
70% sh. dk gry. frm, blky-pthy, sl calc, carb
- 30-35 3-35% wht, dy, sbang, clay fld, calc, hard, poss sl por, v. faint gel fluor, w/no cut
- 70% sh: AA.
- 40-50 20% ss: clv wht, mg. sband, clear, calc, hard, sl por, v. faint gel fluor w/no cut.
80% sh. AA.
- 50-60 40% ss: AA, v. faint gel fluor w/no cut
60% sh: dk gry. frm, pthy, sl calc, carb, mica
- 60-70 NS
- 70-80 20% ss: wht, mg. sband, sl clay fld, calc, hard, poss sl por, v. faint gel fluor, w/ no cut
80% sh: AA.
- 80-90 30% ss: AA, some brn & shly, v. faint gel fluor w/no cut
70% sh: AA
- 90-6200 100% sh: dk gry. frm. pthy, sl calc, carb.
- 6200-10 10% ss wht. dy. sband, clay fld, calc, hard. tite, NS
90% sh. AA
- 10-20 30% ss wht-brn, dy. sbang, clay fld-shly, calc, frm, poss sl por, NS
70% sh. AA.