

STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES



00252407

Submit 1 copy

FOR OFFICE USE			
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. OPERATOR **PHONE**
Polfam Exploration Co. (303) 534-0714

ADDRESS
1380 Lawrence St., Suite 1450; Denver, Colorado 80204

2. DRILLING CONTRACTOR **PHONE**
Gear Drilling Company (303) 623-4422

5. TYPE OF WELL **COALBED**
 OIL GAS METHANE DRY
 INJECTION OTHER

6. TYPE OF COMPLETION COMMINGLED
 NEW WELL MULTIPLE COMPLETION
 RECOMPLETION (DATE STARTED _____)

7. FEDERAL/INDIAN OR STATE LEASE NO.
—

8. IF INDIAN, ALLOTTEE OR TRIBE NAME
—

3. LOCATION OF WELL (Footages from section lines)
 At surface
 At top prod. interval reported below
 At total depth

4. ELEVATIONS
 KB 4251
 GR 4242

9. WELL NAME AND NUMBER
Edens #44-14

10. FIELD OR WILDCAT
Lodge Field (extension) ✓

11. QTR. QTR. SEC. T. R. AND MERIDIAN
SE/4 SE/4 14-8N/54W

WAS DIRECTIONAL SURVEY RUN? NO YES IF YES, ATTACH COPY

12. PERMIT NO. 891071	13. API NO. 05 075 9210	14. SPUD DATE 12/23/89	15. DATE TD REACHED 12/28/89	16. DATE COMPL. <input type="checkbox"/> D&A <input checked="" type="checkbox"/> READY TO PROD	4/17/90*	17. COUNTY Logan	18. STATE CO.
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19. TOTAL DEPTH MD 5200' (drlr) TVD —	20. PLUG BACK TOTAL DEPTH MD 5162' TVD —	21. DEPTH BRIDGE PLUG SET MD none set TVD
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22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
HLS DIGL, HLS CDL-DSN, Bran-dex CBL

23. WAS WELL CORED? NO YES (Submit Analysis)
 WAS DST RUN? NO YES (Submit Report)

24. CASING & LINER RECORD (Report all strings set in well)

SIZE	WEIGHT(LB/FT)	HOLE SIZE	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	NO. OF SKS. & TYPE OF CEMENT	SLURRY VOL. (BBL.)	TOP OF CEMENT (Specify calc. or CBL)
8-5/8"	24#	12 1/4"	Surf	131' KB	—	105 SX		Surface
5-1/2"	14-15.5#	7-7/8"	Surf	5196' KB	—	125 SX	33	4300' KB
						50-50-Doz		

25. TUBING RECORD - Please Specify # of Strings

SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)	SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)	SIZE	DEPTH SET (MD)	PACKER DEPTH (MD)
2-7/8"	5085' KB	—	—	—	—	—	—	—

26. PRODUCING INTERVALS **27. ATTACH WELLBORE DIAGRAM FOR MULTI-ZONE/COMMINGLED PRODUCTION (RULE 332)**

FORMATION	TOP	BOTTOM	GROSS PERFORATED INTERVAL	SIZE	NO. HOLES	PERF. STATUS (open, squeezed)
A) Upper "J ₁ " ss	5083'	5099'	5086-91', 5094-99'	.75"	40	Open
E) Lower "J ₁ " ss	5103'	5127'	5104-11', 5113-16'	.50"	20	Open
C)			5105.5'-5115.5'	.75"	20	Open
D)						

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5086-99'	500 gal 1% HCl w/ surfactant, surface tension reducer, inhibitor
	250 gal 25% Methanol w/ surfactant, surf tension red.
5086-99'	750 gal 1% HCl w/ surfactant, emul brkr
	750 gal 25% Methanol w/ capillary pres reducer. **

RECEIVED

MAY 14 1990

COLO. OIL & GAS CONS. COMM.

29. PRODUCTION - INTERVAL A

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
1/20/90	4/17/90-4/25/90	192 (8 days)	→	137.3	280	470	380	K-N	Pumping
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS	
—	—	—	→	17.1	35	58.8	2046 ✓	Producing	

PRODUCTION - INTERVAL B

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
—	—	—	→	—	—	—	—	—	—
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS	
—	—	—	→	—	—	—	—	—	

PRODUCTION - INTERVAL C

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION →	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE →	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS	

PRODUCTION - INTERVAL D

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION →	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS DISPOSITION	PRODUCTION METHOD
CHOKE SIZE	FLOW. TBG. PRESS.	CSG. PRESS.	24 HR. RATE →	OIL BBL	GAS MCF	WATER BBL	GAS: OIL RATIO	ZONE STATUS	

30. PLEASE ATTACH AN 8 1/2" x 11" BASIC SKETCH SHOWING ALL SURFACE EQUIPMENT ASSOCIATED WITH PRODUCTION, FLUID SEPARATION, FLUID STORAGE, AND GAS MEASUREMENT FOR THE WELL. SHOW APPROXIMATE DISTANCES OF EQUIPMENT FROM WELLBORE. INCLUDE WATER DISPOSAL PITS IF APPLICABLE. OUTLINE UNDERGROUND FLOWLINES AND LIST ANY OTHER WELLS SHARING THE SURFACE EQUIPMENT.

31. SUMMARY OF POROUS ZONES (INCLUDE AQUIFERS):

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.

32. FORMATION (LOG) MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTIONS, CONTENTS, ETC.	NAME	TOP
					MEAS. DEPTH
"D" ss	4980'	5014'	Ss, vf/f, some gd p&g, logs calc indic wet.	Niobrara porosity	4175'
U. J ₁ " ss	5083'	5099'	Ss, vf/f, .gd/excel p&g, oil productive	Ft Hays ls	4483'
L. J ₁ " ss	5103'	5127'	Ss, vf/f, clay filled in pt, logs calc gas production in top	Carlile shale	4534'
				Greenhorn ls	4811'
				Bentonite "x" mkr	4878'
				"D" ss	4980'
				"J" siltstone	5062'
				"J ₁ " ss	5083'
				"J ₂ " ss	5129'
	5083'	5108'	DST #1, initial open 5 min, initial shut-in 60 min, final open 60 min, final shut-in 120 min. GTS 10 min into final open; stabilized rate 302 MCF/D. Rec. 127' total fluid consisting of 96' Mud w/sli oil scum (.47 bbl) and 31' sli WCM (.15 bbl). ISIP 624#, FSIP 594#, IFP 90-40#, FFP 64-106#.		
"J ₃ " ss	5144'	5148'	Ss, vf/f, gd p&g. Oil shows. Logs indic 59% water saturation	"J ₃ " ss	5144'
				Skull Creek sh	5162'

33. ADDITIONAL REMARKS (INCLUDE PLUGGING PROCEDURE & ATTACH CEMENT VERIFICATION):

34. CIRCLE ENCLOSED ATTACHMENTS:

- | | | |
|--|-----------------------------------|---|
| 1. MECHANICAL LOGS (1 full set req'd) | 3. WELLBORE SKETCH (See #27) | 6. SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION |
| 2. GEOLOGIC REPORT incl in Well Report | 4. DST REPORT incl in Well Report | 7. CORE ANALYSIS |
| | 5. DIRECTIONAL SURVEY | 8. OTHER: Well Report |

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Ted Sheldon PRINT Ted Sheldon TITLE Consultant DATE 10 May 90

WELL COMPLETION OR RECOMPLETION REPORT AND LOG



(*) 16. (Continued)

Produced oil into frac tank intermittently 1/20/90 thru 3/06/90. Oil produced thru production facilities beginning 4/17/90.

(**) 28. (Continued)

5086-99'	Frac'd w/ 7500# 20/40 sd & 7750 gal 40# x-linked gel.
5104-16'	1000 gal 1% HCl w/surfactant, emul brkr, inhibitor, surf tension reducer 500 gal 25% Methanol w/ surfactant emulsion brkr, capillary pres reducer. Treatment apparent failed to enter perms (pkr or cement failure).
5114.5-15.5'	125 gal 10% HCl w/ emul bkr, surface tension reducer, inhibitor, surfactant.
5108-09'	125 gal 10% HCl w/ emul bkr, surface tension reducer, inhibitor, surfactant. 26 bbls 2% Cla-Fix II wtr w/ surfactant, emul brkr, surface tension reducer.

POLFAM EXPL CO.
Edens # 44-14

